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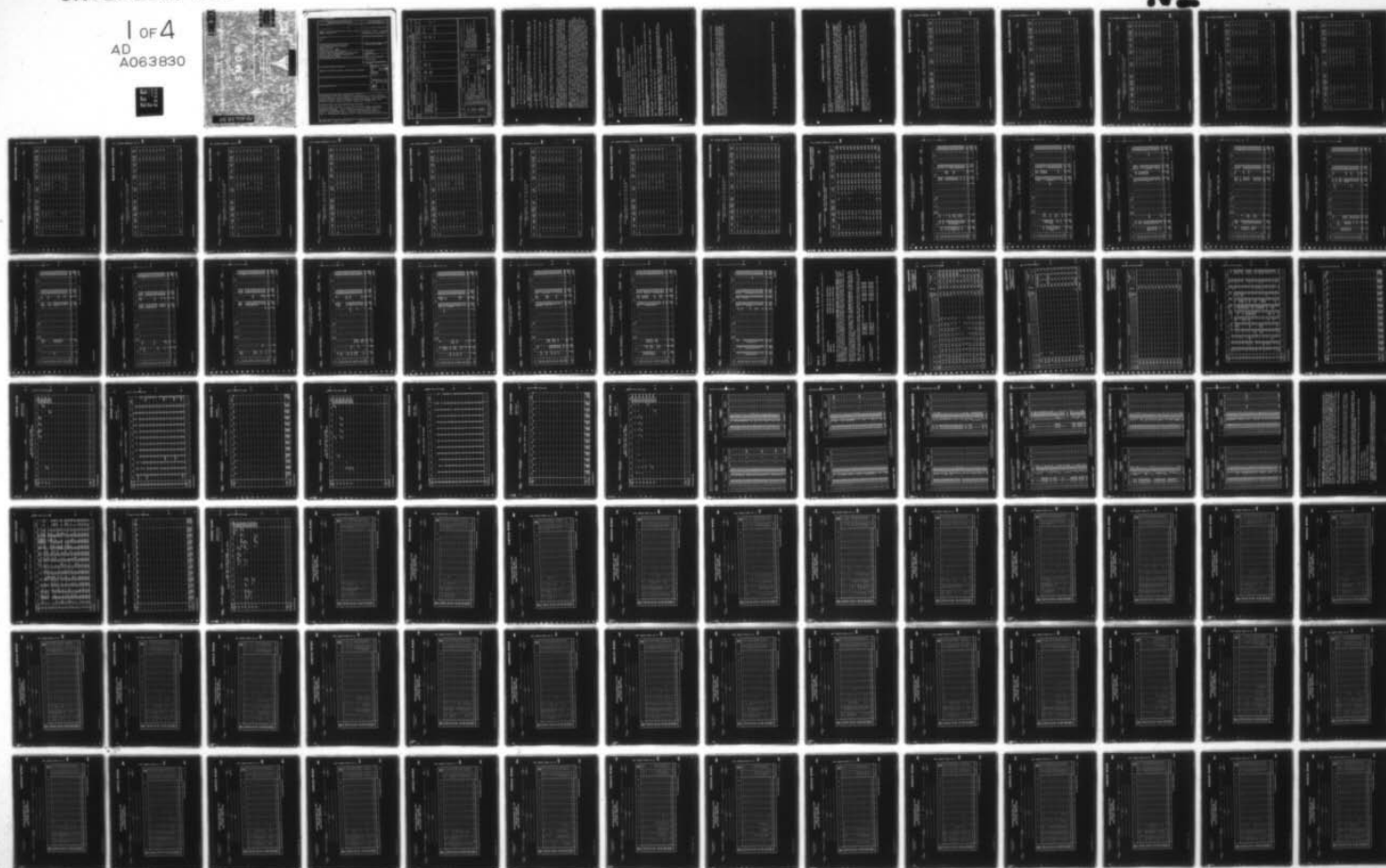
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) MIRAMA, -- ETC (U)
JUL 78

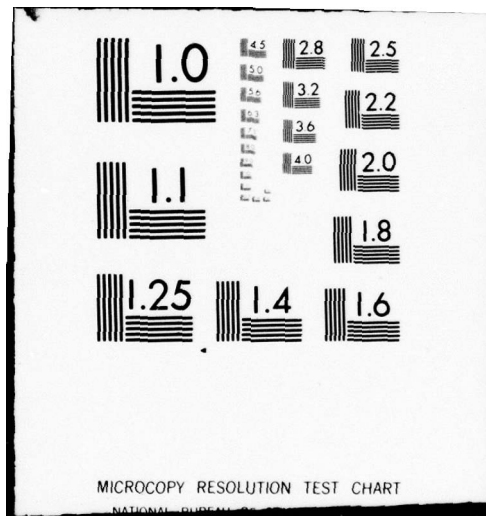
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1 OF 4
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LEVEL II (1)

DIRECTOR
NAVAL OCEANOGRAPHY AND METEOROLOGY

S M O S

(Summary of Meteorological Observations, Surface)

Prepared by
Naval Weather Service Detachment
Federal Building
Asheville, N. C. 28801

D D C
26 JAN 1979
E

of Number: 72006

Station: HINAMAR, SA

1047-17

Date: JUL 1978

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM										
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18. SUPPLEMENTARY NOTES		<table border="1"> <tr> <td colspan="2">BY</td> </tr> <tr> <td colspan="2">DISTRIBUTION/AVAILABILITY CODES</td> </tr> <tr> <td>Dist.</td> <td>AVAIL and/or SPECIAL</td> </tr> <tr> <td>A</td> <td></td> </tr> </table>	BY		DISTRIBUTION/AVAILABILITY CODES		Dist.	AVAIL and/or SPECIAL	A			
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19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, Naval shore facility, coastal region, snow depth, cloud cover, Miramar, CA.												
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/ Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure												

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S/N 0102- LF-014-6601

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV. (FT.)	CALL SIGN	WMO NO. USER
93107	Miramar, California	32°52'N	117°08'W	477	KNKX	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARQ. LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		CBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather service office	Navy	1949	1953	32°52'N	117°08'W	473	Mercurial	
2.	Moved to new office in operations building	"	1953	1957	"	"	463	"	
3.	Resurveyed	"	1957	1968	"	"	459	"	24
4.	New barometer ML 512/GM	"	1968		"	"	459	"	24
1a.	Weather service office	"			"	"	461	Aneroid	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1a.		Roof of tower	Aerovane		47'	1. Barograph
1.	1949	Atop hangar roof on 18' mast, 250' from weather office	Selsyn	Double	50'	2. Auto met station (AN/GNQ-29)
2.	1953	New transmitter installed	"	"	50'	3. Ceiling light (ML-121)
3.	1953	Roof of operations tower	"	"	47'	4. Cloud height set (AN/GNQ-13D)
4.	1954	1000' north of operations building (installed)	"	"	18'	5. Theodolite (shore type)
5.	1957	1000' north of operations building	UMQ-5C	RD-108	22'	6. Transmissometer (AN/GNQ-10) (2 ea)
6.	1960	2700' southwest of weather office	"	"		7. GOES (RO-379/GMH)
7.	1968	Top of control tower	UMQ-5C	RD-108	65'	
8.	1970	2700 feet southwest of weather office	UMQ-5	RO-447/GNQ-29		

NWSD, Federal Building
Asheville, N. C.

29 01 19 033

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET ltr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

1. Ten years of data will be used as the standard period of record (POR).
2. All available data will be used for extreme values.
3. Summarize (update) every five years.
 - a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.
 - b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
 - c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
 - d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWS), Asheville, N. C. welcomes your comment and criticisms.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
 2. By month and annual, all hours and years combined, by wind direction.
 3. By month, all years combined, by standard 3-hour groups.
- Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $\frac{5}{8}$ mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

JAN
MONTH

YEARS

73-77

MIRAMAR, CALIFORNIA
STATION NAME

93107
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		6.5				6.5	7.7	3.9			11.6	155
	04		5.8				5.8	7.7	4.5			12.3	155
	07		4.5				4.5	5.2	7.1			11.6	155
	10		4.5				4.5	3.9	9.0			12.3	155
	13		6.5				6.5	1.9	14.8			16.1	155
	16		4.5				4.5	1.3	18.1			18.7	155
	19	.6	6.5				6.5	4.5	11.6			14.8	155
	22		8.4				8.4	6.5	10.3			15.5	155
TOTALS		.1	5.9				5.9	4.8	9.9			14.1	1240

NAVWEASERVCOM

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

FEB
MONTH

YEARS

73-77

STATION NAME

MIRAHAR, CALIFORNIA

93107
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01		9.2				9.2	18.4	7.1			24.1	141
	04		7.8				7.8	17.7	7.8			23.4	141
	07		6.4				6.4	21.3	15.6			30.5	141
	10	.7	5.0				5.0	6.4	23.4			27.0	141
	13		4.3				4.3	2.1	22.0			22.7	141
	16		4.3				4.3	5.0	22.7			26.2	141
	19		3.5				3.5	9.2	13.5			21.3	141
	22		7.8				7.8	17.0	8.5			23.4	141
TOTALS		.1	6.0				6.0	12.1	15.1			24.8	1128

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

93107 STATION 93107 MIRAMAR, CALIFORNIA 73-77 YEARS MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	01		4.5				4.5	10.3	8.4			16.1	155
	04		5.6				5.6	9.7	9.7			16.1	155
	07		7.1				7.1	11.6	11.0			21.3	155
	10		7.1				7.1	1.9	20.0		.6	21.3	155
	13		5.2				5.2	.6	13.5			14.2	155
	16		5.2				5.2	.6	11.6			12.3	155
	19		2.6				2.6	.6	9.7			10.3	155
	22		5.8				5.8	5.2	6.5			10.3	155
TOTALS			5.4				5.4	5.1	11.3		.1	15.2	1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

93107 MIRAMAR, CALIFORNIA 73-77 APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01		6.0				6.0	7.3	14.7			18.0	150
	04		6.7				6.7	11.4	10.7			18.8	149
	07		4.0				4.0	16.0	20.7			31.3	150
	10		3.3				3.3	3.3	25.3			26.0	150
	13		2.0				2.0		18.7			18.7	150
	16		2.7				2.7	.7	17.3			18.0	150
	19		3.3				3.3	1.3	16.0			16.7	150
	22		3.3				3.3	3.3	12.0			13.3	150
TOTALS			3.9				3.9	5.4	16.9			20.1	1199

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

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93107 STATION NAME MIRAMAR, CALIFORNIA 73-77 YEARS MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01	.6	7.1				7.1	16.1	25.2			38.7	155
	04	.6	10.3				10.3	21.9	23.2			41.3	155
	07		7.1				7.1	25.2	36.8			56.8	155
	10		2.6				2.6	4.5	44.5			47.1	155
	13		1.3				1.3	1.9	34.8			36.8	155
	16		.6				.6	1.3	32.9			33.5	155
	19		.6				.6	3.2	35.5			36.8	155
	22		7.7				7.7	9.0	29.0			36.1	155
TOTALS		.2	4.7				4.7	10.4	32.7			40.9	1240

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WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

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93107 STATION 93107 MIRAMAR, CALIFORNIA 73-77 YEARS MONTH JUN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01		2.0				2.0	18.7	39.3			53.3	150
	04		2.0				2.0	28.0	39.3			60.0	150
	07		4.7				4.7	28.7	58.0			74.0	150
	10		.7				.7	1.3	61.3			62.0	150
	13								44.0			44.0	150
	16								43.3			43.3	150
	19		.7				.7	.7	40.0			40.0	150
	22		2.7				2.7	8.7	38.7			44.0	150
TOTALS			1.6				1.6	10.8	45.5			52.6	1200

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WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

93107 STATION MIRAMAR, CALIFORNIA 73-77 YEARS JUL NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01		1.3				1.3	15.5	48.4			58.1	155
	04		1.9				1.9	25.8	49.0			65.2	155
	07		1.9				1.9	32.9	71.6			87.7	155
	10		.6				.6	1.9	63.2			64.5	155
	13								41.9			41.9	155
	16		.6				.6		34.2			34.2	155
	19		.6				.6	1.3	41.3			41.9	155
	22		1.3				1.3	7.1	41.3			45.2	155
TOTALS			1.0				1.0	10.6	48.9			54.8	1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

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93107 STATION MIRAMAR, CALIFORNIA 73-77 YEARS MONTH AUG

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01	.6	1.3				1.3	18.1	44.5			56.1	155
	04		.6				.6	36.1	43.9			67.7	155
	07		.6				.6	38.1	58.7			76.8	155
	10		.6				.6	1.9	58.7			60.6	155
	13		.6				.6		47.1			47.1	155
	16		.6				.6	.6	36.8			37.4	155
	19		1.3				1.3	2.6	45.2			47.1	155
	22	.6	.6				.6	8.4	44.5			50.3	155
TOTALS		.2	.8				.8	13.2	47.4			55.4	1240

NAVWEASERVCOM

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

SEP
MONTH

73-77
YEARS

MIRAMAR, CALIFORNIA
STATION NAME

93107
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01		1.3				1.3	14.0	38.0			46.7	150
	04		2.7				2.7	20.7	36.7			52.7	150
	07		4.7				4.7	22.7	46.7			62.0	150
	10	.7	2.0				2.0	2.0	50.0			51.3	150
	13		1.3				1.3	2.0	40.0			40.7	150
	16	.7	.7				.7	.7	40.0			40.7	150
	19		1.3				1.3	1.3	38.0			38.7	150
	22		2.0				2.0	8.0	34.0			40.0	150
TOTALS		.2	2.0				2.0	8.9	40.4			46.6	1200

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WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

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93107 STATION

MIRAMAR, CALIFORNIA

73-77

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01		2.6				2.6	21.3	20.6			40.0	155
	04		3.9				3.9	25.8	21.3			43.2	155
	07		1.3				1.3	23.2	27.1			45.2	155
	10		3.9				3.9	2.6	44.5			46.5	155
	13		1.3				1.3		37.4			37.4	155
	16	.6	1.3				1.3	1.9	36.8			37.4	155
	19		.6				.6	5.8	26.5			30.3	155
	22		1.3				1.3	15.5	20.6			34.2	155
TOTALS		.1	2.0				2.0	12.0	29.4			39.3	1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

93107 STATION NAME MIRAMAR, CALIFORNIA 73-77 YEARS NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01		2.7				2.7	15.3	14.0			25.3	150
	04		4.7				4.7	14.7	12.0			22.7	150
	07		2.7				2.7	14.0	16.0			27.3	150
	10		2.7				2.7	5.3	20.0			24.7	150
	13		3.3				3.3	2.0	20.0			21.3	150
	16		2.0				2.0	2.0	21.3			22.7	150
	19		2.7				2.7	10.0	17.3			22.7	150
	22		3.3				3.3	10.7	16.7			25.3	150
TOTALS			3.0				3.0	9.3	17.2			24.0	1200

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

93107 STATION 93107 MIRAMAR, CALIFORNIA 73-77 YEARS DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01		6.5				6.5	16.1	13.5			27.1	155
	04		3.9				3.9	12.3	9.7			21.3	155
	07		5.8				5.8	12.3	10.3			20.6	155
	10		1.9				1.9	4.5	21.3			25.2	155
	13		2.6				2.6	.6	23.2			23.2	155
	16		3.2				3.2	3.9	24.5			27.1	155
	19		.6				.6	9.7	15.5			23.9	155
	22		3.9				3.9	9.7	15.5			23.9	155
TOTALS			3.6				3.6	8.6	16.7			24.0	1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

93107 STATION 93107 MIRAMAR, CALIFORNIA STATION NAME 73-77 YEARS ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.1	5.9				5.9	4.8	9.9			14.1	1240
FEB		.1	6.0				6.0	12.1	15.1			24.8	1128
MAR			5.4				5.4	5.1	11.3		.1	15.2	1240
APR			3.9				3.9	5.4	16.9			20.1	1199
MAY		.2	4.7				4.7	10.4	32.7			40.9	1240
JUN			1.6				1.6	10.8	45.5			52.6	1200
JUL			1.0				1.0	10.6	48.9			54.8	1240
AUG		.2	.8				.8	13.2	47.4			55.4	1240
SEP		.2	2.0				2.0	8.9	40.4			46.6	1200
OCT		.1	2.0				2.0	12.0	29.4			39.3	1240
NOV			3.0				3.0	9.3	17.2			24.0	1200
DEC			3.6				3.6	8.6	16.7			24.0	1240
TOTALS		.1	3.3				3.3	9.3	27.6		.0	34.3	14607

WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

5701 WEATHER CONDITIONS JAN 68

ALL
MONTH

49-77

YEARS

MIRAMAR, CALIFORNIA
STATION NAME

93107
STATION

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.7	29.6		.2	.9	29.6	29.0	30.3			39.5	899
FEB		1.3	28.7			1.0	28.7	32.6	35.4			44.4	816
MAR		1.4	30.6			1.2	30.5	28.9	36.0		.1	43.3	899
APR		.6	29.6		.2	.5	29.6	30.8	36.5			42.4	840
MAY		.3	25.7			.1	25.7	33.3	46.1		.1	51.6	868
JUN		.4	20.7				20.7	44.5	63.3			68.9	840
JUL		.9	8.0				6.0	50.8	79.4			84.5	893
AUG		1.2	7.5				7.5	46.8	74.4			78.4	893
SEP		1.4	13.5				13.5	45.9	63.9			70.1	865
OCT		1.8	18.1			.1	18.1	39.9	55.0		.1	59.6	882
NOV		1.1	22.2			.3	22.2	35.9	41.3		.1	48.3	870
DEC		.6	24.2		.1	.4	24.2	30.8	34.6	.1		42.8	899
TOTALS		1.0	21.5		.0	.4	21.5	37.4	49.7	.0	.0	56.1	10464

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93107 MIRAMAR, CALIFORNIA JAN 1973 - DEC 1977 JANUARY ALL
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		2.8	1.4						8.3		18.3			70.4
NNE	2.2								6.3		8.7			82.6
NE		5.9							5.9		17.6			70.6
ENE	1.6								1.1	1.1	3.2			95.2
E	.7	.7	.4						2.0	2.0	2.9			93.9
ESE	3.0	1.0							6.3		4.0			89.9
SE	3.1	12.5	3.1						2.0		6.3			71.9
SSE	8.0	6.0							2.0		12.0			74.0
S	10.6	18.2	1.3						4.3		13.6			60.6
SSW	3.0	12.1	3.0						6.1	3.0	3.0			75.8
SW	3.8	11.3							7.1		11.3			69.2
WSW	3.4	3.4	3.4						6.3		10.3			75.9
W		1.6	1.6						4.3		14.3			77.6
WNW	2.2	1.1	1.1						4.3		12.2			82.2
NW		2.9							4.3		17.1			78.6
NNW									4.3		18.6			79.1
VARIABLE														
CALM	2.0	.7							1.3	2.0	10.7			76.7
TOTAL	27	39	6					1	21	9	117			1006
% TOTAL	2.2	3.1	.6					.1	4.1	.7	9.4			81.3

TOTAL NUMBER OF OBSERVATIONS 10240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 93107 MIKAMAK, CALIFORNIA JAN 1973 - DEC 1977 MONTH FEBRUARY ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									17.6	2.9	11.8			66.2
NNE									31.0	9.1	9.1			72.7
NE									41.8		19.0			76.2
ENE									11.7	1.7	10.2			86.6
E	1.3	.3	1.0						7.0	2.3	8.0			82.4
ESE		1.2	1.2						2.3	3.7	8.0			84.0
SE	9.8	9.8							14.0	4.9	4.9			63.4
SSE	9.3	2.4						1.3	14.0		17.1			63.4
S	13.8	12.3	3.1						13.0		13.0			50.8
SSW	12.8	10.2							23.1		17.9			53.8
SW	9.3								19.0		23.8			66.7
WSW	6.3		3.2						9.4		28.1			63.6
W	2.2	2.2	1.2						3.0		21.3			68.3
WNW	4.1								5.8	1.4	21.8			74.3
NW		1.1							4.3		23.8			69.7
NNW			1.8						15.9		19.0			66.7
VARIABLE														
CALM														
TOTAL	35	23	10					1	118	19	189			803
% TOTAL	3.1	2.0	.9					.1	10.3	1.7	13.0			71.2

TOTAL NUMBER OF OBSERVATIONS 1,128

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 93107 MIRAMAR, CALIFORNIA STATION NAME JAN 1973 - DEC 1977 YEARS MONTH MARCH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		1.8							10.2		22.8			68.4
NNE									7.1	3.6	17.9			73.0
NE		6.7							6.7		13.3			73.3
ENE		3.1							3.1	3.1				90.6
E									1.3	3.1	4.4			93.8
ESE		3.9							3.9	2.6	3.9			95.7
SE		9.4							3.9	3.1	9.4			71.9
SSE	10.9	4.3							4.3	4.3	17.4			60.9
S	7.9	9.2	2.6						11.6	2.6	14.5			57.9
SSW	3.4	6.9							1.7		12.1		1.7	77.6
SW	4.4	8.9							4.4		13.3			73.3
WSW	3.0	5.8							3.0		9.6			78.8
W	2.3	2.3							1.8		6.7			88.5
WNW	4.2	4.2							2.6		12.0			81.7
NW	1.8	1.8							1.7		17.4			78.9
NNW		1.3	1.3						3.0		14.9			79.1
VARIABLE														
CALM		1.8							6.7	1.8	14.0			78.8
TOTAL	22	42	3						48	15	140		1	991
% TOTAL	1.8	3.4	.2						3.9	1.2	11.3		.1	79.9

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 93107 MIRAMAR, CALIFORNIA STATION NAME JAN 1973 - DEC 1977 YEARS MONTH APRIL ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.5	1.5							14.9	3.0	14.9			71.6
NNE		5.9							5.9		11.6			82.4
NE											11.1			88.9
ENE									11.1		5.6			88.9
E	1.9	9.9	1.9								1.9			95.4
ESE	1.9	3.0							3.0	1.3	12.1			80.3
SE	5.9	2.9							8.8		11.6			73.3
SSE	2.0	5.3	2.0						5.3		13.2			71.1
S	1.4	2.9	2.9						4.3	2.9	20.0			67.1
SSW		5.9									23.3			67.6
SW	2.1	6.3									12.3			79.2
WSW	2.0	4.1	2.0						2.0		10.2			79.6
W	1.7	2.0	1.3						2.0		16.4			79.6
WNW		3.4							1.4		14.3			81.6
NW		1.7							2.6		25.0			71.6
NNW		1.4							5.6		14.3			81.2
VARIABLE														
CALM									14.9	1.0	30.6			80.3
TOTAL	11	28	4						54	6	178			916
% TOTAL	9.9	23.3	3.7						42.4	9.3	16.3			76.4

TOTAL NUMBER OF OBSERVATIONS 1,199

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93107

MIRAMAR, CALIFORNIA

JAN 1973 - DEC 1977

MAY

ALL

HOURS (L.S.T.)

MONTH

YEARS

STATION NAME

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N			7.1						19.6	3.6	35.7			46.4
NNE								11.1	25.0		44.6			55.6
NE											57.3			12.3
ENE		20.0									20.0			60.0
E									10.3		10.3			82.1
ESE	3.4								61.9		37.9			59.2
SE	5.6		5.6						13.9		38.9			50.0
SSE	2.8	5.6	5.6						22.2		22.2			55.6
S	1.0	2.0	2.9						10.6	1.0	22.3			61.8
SSW	1.4	1.4							10.0		34.3			55.7
SW	1.2	1.2	5.9					1.0	7.1		31.8			60.0
WSW			3.0					1.0	4.0	1.0	32.7			60.4
W		.6	1.7						4.0		35.6			60.9
WNW			4.7						9.4		33.9			57.3
NW		1.7	3.3						7.4		44.6			48.8
NNW			2.7						9.3	2.7	43.9			47.3
VARIABLE														
CALM			3.8						14.0	1.6	23.3			56.3
TOTAL	7	11	40					2	140	9	606			703
% TOTAL	.6	.9	3.2					.2	91.7	.7	32.7			56.7

TOTAL NUMBER OF OBSERVATIONS

1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93107 STATION NAME: MIRAMAR, CALIFORNIA JAN 1973 - DEC 1977 MONTH: JUNE ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N			2.5						24.0	3.3	38.8			38.0
NNE			6.7						46.7		40.0			46.7
NE											60.0			40.0
ENE											40.0			60.0
E									5.7	5.9	29.8			54.7
ESE									41.8		42.9			50.0
SE											20.0			80.0
SSE	3.7		3.7						7.4		63.0			33.3
S			2.0						42.0		36.0			58.0
SSW			8.7						21.2		43.3			47.8
SW			5.4						51.4	1.8	46.4			46.4
WSW			2.9						21.7		50.0			47.1
W			9.7						11.3		41.3			37.3
WNW									21.2	1.7	32.0			46.7
NW									31.3	1.7	32.7			46.0
NNW									8.0		22.2			43.4
VARIABLE														
CALM														
TOTAL	1		1.4						12.0	9	546			558
% TOTAL	1.1		1.3						10.0	1.8	45.3			46.3

TOTAL NUMBER OF OBSERVATIONS 1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 93107 MIRAMAR, CALIFORNIA JAN 1973 - DEC 1977 MONTH JULY ALL
STATION NAME YEARS HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		0.9							15.0	1.9	32.5			36.8
NNE			4.5						27.5	4.5	39.1			22.7
NE		20.0							40.0		40.0			20.0
ENE														100.0
E									10.0		10.0			20.0
ESE									11.1		33.3			66.7
SE									28.6		42.9			42.9
SSE									41.3		50.0			42.9
S			3.9						17.6		47.1			39.2
SSW									10.3	1.7	48.3			44.8
SW		1.4							2.9		48.6			47.1
WSW											48.7			51.3
W									21.2		49.6			49.6
WNW									2.2	1.6	42.7			56.2
NW		0.7	1.7						4.2		40.3			37.6
NNW			1.9						8.5	1.9	35.7			42.5
VARIABLE														
CALM									13.0	1.4	33.2			31.1
TOTAL		5	8						142	6	606			555
% TOTAL		0.4	0.6						10.1	0.5	48.9			44.8

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 93107 MIKAMAK, CALIFORNIA STATION NAME JAN 1973 - DEC 1977 MONTH ALL HOURS (LST.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.9								23.8		46.6			39.6
NNE	3.2								16.1		54.8			35.3
NE											50.0			50.0
ENE														100.0
E									16.1		23.0			38.3
ESE									10.0		50.0			40.0
SE									23.3		50.0			16.7
SSE									16.1		38.9			53.6
S	1.6								20.9	1.6	46.0			36.3
SSW	2.2								13.3		33.8			53.3
SW									14.8		31.9			44.4
WSW									2.3		40.9			36.8
W	1.0								1.0		43.9			33.1
WNW		.8							1.8	.8	47.9			30.0
NW									3.0	.9	46.2			31.8
NNW	1.1							.5	13.2	1.1	44.4			46.0
VARIABLE														
CALM														
TOTAL	9	1						2	128	6	588			550
% TOTAL	.7	.1						.2	12.1	.3	47.4			44.4

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 93107 MIRAMAR, CALIFORNIA JAN 1973 - DEC 1977 SEPTEMBER ALL
STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6								8.9	6	41.1			53.0
NNE									10.8		24.3			67.6
NE	6.7								6.7		33.3			53.3
ENE											20.0			60.0
E											28.6			71.4
ESE											16.7			83.3
SE	6.3								6.3	6.3	23.0			62.3
SSE									7.1		30.0			42.9
S	3.7	1.9						1.9	18.3	1.9	68.1			38.9
SSW									5.6		64.6			52.8
SW	4.3		6.3						6.3		43.2			50.0
WSW	1.3		1.3						6.3		39.6			57.6
W		.9	1.7					.9	3.3		43.2			50.4
WNW									1.3		39.2			60.0
NW			2.0						2.0		43.1			54.9
NNW	1.4		1.4						9.2	1.4	43.7			43.1
VARIABLE														
CALM														
TOTAL	10	2	12					2	77	8	403			630
% TOTAL	.8	.2	1.0					.2	8.3	.7	40.4			52.3

TOTAL NUMBER OF OBSERVATIONS 1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 93107 MIRAMAR, CALIFORNIA STATION NAME JAN 1973 - DEC 1977 YEARS OCTOBER MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		0.0	0.0						10.0	1.0	33.6			46.9
NNE									22.9	2.1	22.9			30.3
NE		3.3							6.7	3.3	23.3			66.7
ENE		2.6						2.6	10.3	2.3	23.1			69.2
E		2.4							3.1	2.4	11.8			81.1
ESE									10.3		11.9			76.2
SE	8.0	4.0							10.0		12.0			60.0
SSE			3.3						20.0		10.0			73.3
S	3.1	3.1	3.1						10.0		19.8			62.3
SSW		4.2							4.2		33.3			58.3
SW	3.1		3.1						9.1		28.1			59.6
WSW									12.3		34.4			56.3
W	1.2	2.4							1.2	1.2	30.1			63.1
WNW		0.8							2.4	1.8	34.1			63.0
NW									1.7		43.7			56.3
NNW		0.8	0.8						6.0		38.6			53.7
VARIABLE														
CALM		0.3	0.3						22.3	2.4	32.7			65.0
TOTAL	3	14	6					1	126	13	362			739
% TOTAL	1.4	1.1	0.3					0.1	11.0	1.0	29.2			59.6

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 93107 MIRAMAR, CALIFORNIA STATION NAME JAN 1973 - DEC 1977 YEARS NOVEMBER MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET - SHOWERS ICE CRYSTALS	SNOW GRAINS - PELLETS - SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		2.6							17.1	1.3	18.4			64.3
NNE									20.0	3.7	20.0			60.0
NE	2.3								11.4		4.3			81.8
ENE									10.9		6.3			82.6
E									6.2		12.1			85.1
ESE	1.2								3.3		11.8			83.3
SE			2.6						13.9	2.8	11.1			75.0
SSE		4.4	2.2						8.7	2.2	13.8			75.6
S	3.4	3.6							13.8		17.2			67.2
SSW		5.9	8.8						8.8		8.8			79.6
SW	4.3	6.3	4.3						8.7		30.4			56.3
WSW		3.9							5.9		8.8			79.6
W	1.2	4.8	1.2						4.8	1.2	19.3			69.9
WNW		2.7							4.1		19.2			75.3
NW									4.7		23.3			73.3
NNW		2.6							6.8		23.0			68.4
VARIABLE														
CALM														
TOTAL	6	21	9						109	7	203			889
% TOTAL	9.3	1.8	9.8						8.7	9.8	17.1			74.1

TOTAL NUMBER OF OBSERVATIONS 1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 93107 MIRAMAK, CALIFORNIA STATION NAME JAN 1973 - DEC 1977 YEARS MONTH DECEMBER ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									121.9	1.6	24.2			64.5
NNE									91.1	4.3	9.1			77.3
NE									31.6		30.8			63.4
ENE	1.2								21.4	1.2	7.1			88.1
E	1.1	0.7							41.1	1.3	12.2			81.2
ESE	3.9	1.0	2.9						101.7	1.9	13.6			72.8
SE	2.8		3.8						161.7	2.0	16.7			61.1
SSE	2.3	6.8	6.8						201.3		20.3			32.3
S	14.7	1.3	2.9						141.7		8.9			64.7
SSW	2.9								141.3		3.7			80.0
SW			4.2						161.7	4.2	23.0			62.3
WSW		4.0	4.0						41.0		20.0			72.0
W		2.0							21.0		28.0			69.4
WNW									1.3	1.3	31.0			65.2
NW									7.3	1.2	22.0			77.4
NNW	1.8										27.3			63.0
VARIABLE														
CALM														
TOTAL	22	10	13						92	13	207			911
% TOTAL	1.8	0.8	1.0						7.3	1.2	16.7			73.5

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 93107 MIRAMAR, CALIFORNIA JAN 1973 - DEC 1977 ALL MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	0.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	1.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	4.0	4.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	4.2	3.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	3.3	4.8	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	2.1	3.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	2.2	2.6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	1.1	1.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARIABLE	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	1.5	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1.5	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% TOTAL	1.1	1.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS 14,607

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

47-77

MIRAMAR, CALIFORNIA

93107

STATION NAME

YEARS

5722 Daily Amounts Jan. 1969

AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	71.1	7.8	2.2	4.6	3.1	3.1	4.0	2.8	1.3					21.1	930	1.92	6.48	TRACE	
FEB	71.3	9.0	2.3	3.2	4.0	3.5	2.6	3.3	.7					19.6	820	1.47	5.26	TRACE	
MAR	69.5	10.5	1.5	4.7	3.1	4.7	2.5	2.9	.5					20.0	930	1.46	5.40	TRACE	
APR	70.1	13.1	2.1	4.5	2.4	4.0	2.3	.8	.7					16.8	870	.99	3.84	TRACE	
MAY	74.5	16.8	1.4	3.1	1.6	1.1	.9	.3	.2					8.7	899	.38	2.60	TRACE	
JUN	79.2	15.6	1.3	2.1	1.0	.7	.1							5.2	870	.09	.76	TRACE	
JUL	92.2	5.7	.6	.8	.6	.1								2.2	930	.03	.17	.00	
AUG	93.2	5.6	.3	.3	.2			.3						1.2	930	.08	1.42	.00	
SEP	87.1	8.8	1.0	1.3	.3	.6	.6	.1	.2					4.1	900	.21	2.10	.00	
OCT	81.9	11.6	1.0	1.7	.9	1.2	.9	.6	.2					6.5	930	.41	2.11	.00	
NOV	77.9	6.0	1.4	3.8	2.1	3.9	2.9	1.1	.9					16.1	870	1.16	5.66	.00	
DEC	74.8	7.3	1.4	4.0	3.0	3.7	2.8	2.2	.9					17.8	930	1.52	4.95	.07	
ANNUAL	78.6	9.8	1.4	2.8	1.9	2.2	1.6	1.2	.5					11.6	10809	9.72			

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

93107 STATION MIRAMAR, CALIFORNIA 47-77 YEARS

5722 Daily Amounts Jan. 1969

AMOUNTS (INCHES)															TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	PERCENT OF DAYS WITH MEASURABLE AMTS		MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-13.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	99.7	.3													930	TRACE		.0
FEB	100.0														764	.0	.0	.0
MAR	100.0														899	.0	.0	.0
APR	99.8	.2													840	TRACE		.0
MAY	100.0														899	.0	.0	.0
JUN	100.0														870	.0	.0	.0
JUL	100.0														899	.0	.0	.0
AUG	100.0														930	.0	.0	.0
SEP	100.0														900	.0	.0	.0
OCT	100.0														930	.0	.0	.0
NOV	100.0														900	.0	.0	.0
DEC	99.9		.1											.1	930	TRACE	.2	.0
ANNUAL	99.9	.0	.0											.0	10691	.0		

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

47-77

MIRAMAR, CALIFORNIA

STATION NAME

93107

STATION

YEARS

24 HOUR AMOUNTS IN INCHES

5723 Extreme Values Jan 1969

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
47	TRACE	.72	.26	.05	TRACE	.03	.00	TRACE	.60	.43	.63	1.79	.82
48	1.30	.50	.09	.23	TRACE	TRACE	TRACE	.58	.00	.73	.02	.82	
49	1.39	.79	.80	1.13	TRACE	TRACE	.12	.58	.15	1.34	.49	2.27	1.39
50	.73	.43	.52	.80	TRACE	.03	TRACE	TRACE	.05	TRACE	.54	.80	2.27
51	1.75	.70	1.16	.17	.10	.00	.02	TRACE	TRACE	.03	.34	.08	1.75
52	.30	.64	.51	.05	.04	.01	.08	TRACE	TRACE	TRACE	.47	.42	.64
53	.98	.81	1.37	.03	.63	TRACE	TRACE	TRACE	TRACE	TRACE	.37	.22	1.37
54	.84	.37	.27	.72	.25	TRACE	.00	TRACE	.00	.01	.00		1.08
55	.97	.15	.02	.39	.80	.37	TRACE	TRACE	TRACE	.37	.30	.56	1.74
56	1.74	.39	.31	1.19	.27	TRACE	TRACE	TRACE	.19	.07	.34	.09	1.60
57	.48	1.60	1.34	.17	.44	.03	TRACE	.03	TRACE	.36	.11	1.02	1.10
58	.66	1.10	TRACE	.44	.19	.03	TRACE	TRACE	.01	.72	.43	.82	1.44
59	1.44	.86	.44	.01	.03	.02	TRACE	TRACE	.01	.01	.01	.19	1.68
60	.74	.75	.52	TRACE	.35	.06	TRACE	.00	TRACE	.09	1.14	.04	1.14
61	1.68	.44	.53	.37	.07	.21	.00	TRACE	1.04	.05	.28	.56	.85
62	.44	.85	.77	.85	.31	.04	.00	TRACE	.36	.09	.01	.19	1.68
63	.54	.25	.77	.41	.31	.01	.10	TRACE	.09	.01	2.03	1.29	2.03
64	.22	.77	.40	TRACE	TRACE	.12	.01	TRACE	TRACE	.95	1.17	2.02	2.02
65	.71	.94	.06	.63	.02	.06	.08	TRACE	TRACE	.00	.62	.62	1.37
66	1.37	TRACE	.56	.43	.23	.01	.03	TRACE	TRACE	.02	.30	.32	.63
67	.31	.09	.85	.14	.10	.17	.06	TRACE	.01	TRACE	.40	.30	1.06
68	.90	1.06	.56	.22	.03	TRACE	TRACE	.03	.00	TRACE	.57	.61	1.34
69	.25	1.34	.47	.34	.51	.01	TRACE	.01	.02	.36	.06	.49	.56
70	.39	.14	.20	.02	.15	.25	.00	TRACE	.14	.41	1.72	.71	1.72
71	.07	.13	TRACE	.02	.01	TRACE	TRACE	TRACE	.02	.05	.49	.07	.62
72	.54	.60	.62	.09	.10	.04	.04	TRACE	.02	1.02	.39	1.37	1.37
73	1.18	.06	.99	2.08	TRACE	.10	.09	.00	.02	.05	1.09	.71	1.50
74	.27	.31	.79	1.03	.26	.03	TRACE	.08	1.10	.37			
75	TRACE	1.50	.78										
76													
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

PRECIPITATION
FROM DAILY OBSERVATIONS

47-77

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

NAVWEASERVCOM

PRECIPITATION
(FROM DAILY OBSERVATIONS)

MIRAMAR, CALIFORNIA
STATION NAME

STATION
93107

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

93107 HIRAMAR, CALIFORNIA
STATION NAME

47-77

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
47								.0	.0	.0	.0	.0	
48			.0		.0	.0	.0	.0	.0	.0	.0	.0	
49	TRACE	.0	.0										
50	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
54	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

SNOWFALL

93107	MIRAMAR, CALIFORNIA	47-77
STATION	STATION NAME	YEARS

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

NAVWEASERVCOM

5723 Extreme Values Jan 1969

(FROM DAILY OBSERVATIONS)

YEARS

93107
STATION

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

5723 Extreme Values Jan 1969

NAVWEASERVCOM

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

93107

MIRAMAR, CALIFORNIA

STATION

STATION NAME

47-77

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
47													
48													
49													
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

47-77

MIRAMAR, CALIFORNIA

STATION NAME

STATION

YEARS

DAILY SNOW DEPTH IN INCHES

[illegible]

NAVWEASERVCOM

5723 Extreme Values Jan 1969

SNOW DEPTH

FROM DAILY OBSERVATIONS)

MIRAMAR, CALIFORNIA

47-77

YEARS

STATION NAME

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

5723 Extreme Values Jan 1969

12

10

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

1948-1977

YEARS

JANUARY
MONTH

FEBRUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.38	10	1955			
2	0.39	10	1971			
3	0.39	10	1977			
4	0.98	25	1974			
5	0.72	18	1957			
6	1.06	27	1977			
7	1.74	44	1957			
8	1.04	26	1974			
9	0.19	5	1973			
10	0.84	21	1955	T	T	1949
11	1.30	33	1949			
12	1.44	37	1960			
13	1.75	44	1952			
14	0.82	21	1969			
15	0.46	12	1960			
16	0.55	14	1952			
17	0.67	17	1952			
18	1.33	34	1952			
19	0.98	25	1954	T	T	1954
20	1.68	43	1962			
21	0.54	14	1964			
22	1.37	35	1967			
23	0.10	3	1956			
24	0.44	11	1954			
25	0.90	23	1969			
26	0.74	19	1961			
27	0.97	25	1956	T	T	1975
28	0.49	12	1957			
29	1.39	35	1950			
30	0.71	18	1966			
31	0.32	8	1956			
Monthly	1.75	44	1952	T	T	1975*

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.86	22	1960			
2	0.08	2	1960			
3	1.60	41	1958			
4	0.91	23	1958			
5	0.60	15	1948			
6	0.94	24	1966			
7	0.51	13	1976			
8	1.50	38	1976			
9	0.85	22	1963			
10	0.71	18	1976			
11	0.60	15	1973			
12	0.12	3	1951			
13	0.81	21	1954			
14	0.05	1	1975*			
15	0.55	14	1973			
16	0.78	20	1959			
17	0.34	9	1955			
18	0.53	13	1969			
19	0.75	19	1962			
20	0.24	6	1962			
21	1.10	28	1959			
22	0.68	17	1969			
23	0.64	16	1953			
24	0.35	9	1969			
25	1.06	27	1969			
26	0.45	11	1951			
27	0.37	9	1955			
28	1.34	34	1970			
29	0.70	18	1952			
30						
31						
Monthly	1.60	41	1958			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

93107
STATION

HIRAMAR, CALIFORNIA
STATION NAME

1948-1977

YEARS

DAILY EXTREME AMOUNTS

MARCH
MONTH

APRIL
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.78	20	1976			
2	0.27	7	1970			
3	0.22	6	1974			
4	0.47	12	1970			
5	0.25	6	1975			
6	0.56	14	1958			
7	1.16	29	1952			
8	0.99	25	1974			
9	0.21	5	1957			
10	0.79	20	1975			
11	0.54	14	1975			
12	0.20	5	1964			
13	0.56	14	1967			
14	0.25	6	1975			
15	0.64	16	1952			
16	1.34	34	1958			
17	0.55	14	1963			
18	0.36	9	1962			
19	0.52	13	1962			
20	0.62	16	1973			
21	0.84	21	1958			
22	1.37	35	1954			
23	1.29	33	1954			
24	0.80	20	1950			
25	0.66	17	1950			
26	0.17	4	1973			
27	0.31	8	1958			
28	0.83	21	1961			
29	0.04	1	1967			
30	0.24	6	1954			
31	0.40	10	1965			
Monthly	1.37	35	1954			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.19	30	1958			
2	0.13	3	1968			
3	0.97	25	1958	T	T	1965
4	0.41	10	1965			
5	0.26	7	1975			
6	0.22	6	1975			
7	0.39	10	1958			
8	2.08	53	1975			
9	0.36	9	1965			
10	0.80	20	1952			
11	0.65	17	1967			
12	0.72	18	1956			
13	1.03	26	1976			
14	0.54	14	1971			
15	0.16	4	1976			
16	0.06	2	1975*			
17	0.37	9	1963			
18	0.35	9	1957	T	T	1971
19	0.09	2	1964			
20	0.39	10	1957			
21	0.27	7	1957			
22	0.27	7	1955			
23	0.12	3	1960			
24	0.09	2	1964			
25	1.13	29	1951			
26	0.34	9	1963			
27	0.44	11	1960			
28	0.27	7	1951			
29	0.08	2	1953			
30	1.08	27	1955			
31						
Monthly	2.08	53	1975	T	T	1971*

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

1948-1977

YEARS

DAILY EXTREME AMOUNTS

5724 DAILY AMOUNTS MAR 1978

MAY
MONTH

JUNE
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.63	16	1955			
2	0.29	7	1955			
3	1.05	27	1950			
4	0.19	5	1960			
5	0.04	1	1969			
6	0.31	8	1964			
7	0.35	9	1971			
8	1.53	39	1977			
9	0.33	8	1977			
10	0.04	1	1954			
11	0.80	20	1957			
12	0.23	6	1968			
13	0.14	4	1957			
14	0.35	9	1962			
15	0.10	3	1962*			
16	0.04	1	1953			
17	T	T	1973*			
18	0.05	1	1972			
19	0.21	5	1957			
20	0.15	4	1972			
21	0.14	4	1957			
22	0.04	1	1950			
23	0.02	1	1967			
24	0.45	11	1977			
25	0.07	2	1955			
26	0.02	1	1962			
27	0.14	4	1962			
28	0.51	13	1971			
29	0.02	1	1971			
30	0.05	1	1955			
31	0.01		1963			
Monthly	1.53	39	1977			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.07	2	1963			
2	T	T	1974*			
3	0.03	1	1952			
4	T	T	1970*			
5	0.03	1	1977*			
6	0.09	2	1972			
7	0.10	3	1966			
8	0.12	3	1966			
9	0.09	2	1972			
10	0.37	9	1957			
11	0.21	5	1963			
12	0.01		1963			
13	0.06	2	1967			
14	0.03	1	1962			
15	0.06	2	1962			
16	0.01		1975			
17	0.02	1	1969			
18	0.10	3	1975			
19	T	T	1975*			
20	0.25	6	1972			
21	T	T	1969*			
22	0.11	3	1972			
23	0.08	2	1972			
24	T	T	1972*			
25	T	T	1965*			
26	T	T	1968*			
27	T	T	1968*			
28	T	T	1960*			
29	T	T	1966*			
30	0.02	1	1948			
31						
Monthly	0.37	9	1957			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

1947-1977

YEARS

DAILY EXTREME AMOUNTS

JULY
MONTH

AUGUST
MONTH

DAY	PRECIPITATION GREATEST				SNOWFALL GREATEST		
	INCHES	MM	DATE		INCHES	MM	DATE
1	T	T	1961				
2							
3	T	T	1967*				
4	T	T	1977*				
5	T	T	1950				
6	0.03	1	1968				
7	0.01		1968				
8	0.01		1966*				
9	0.01		1950				
10	T	T	1970*				
11	0.06	2	1969				
12	T	T	1967*				
13	0.08	2	1954				
14	0.04	1	1974				
15	T	T	1960				
16	T	T	1976*				
17	T	T	1976*				
18	0.01		1974				
19	T	T	1969*				
20	T	T	1969				
21	T	T	1962*				
22	T	T	1976*				
23	0.08	2	1954				
24	0.01		1954				
25	0.12	3	1951				
26	0.09	2	1975				
27	T	T	1975*				
28	0.03	1	1975*				
29	0.10	3	1965				
30	0.02	1	1953				
31	T	T	1958*				
Monthly	0.12	3	1951				

DAY	PRECIPITATION GREATEST				SNOWFALL GREATEST		
	INCHES	MM	DATE		INCHES	MM	DATE
1	T	T	1977*				
2	0.01		1971				
3	T	T	1955*				
4	T	T	1961*				
5	T	T	1964				
6	T	T	1973*				
7	T	T	1967*				
8	T	T	1965*				
9	T	T	1967*				
10	T	T	1971*				
11	T	T	1955				
12	T	T	1961*				
13	T	T	1972*				
14	T	T	1963				
15	0.03	1	1976				
16	0.79	20	1977				
17	0.63	16	1977				
18	T	T	1964*				
19	T	T	1949				
20	T	T	1973*				
21							
22	T	T	1959				
23							
24	T	T	1959*				
25	0.03	1	1959				
26	0.03	1	1970				
27	T	T	1954				
28	0.58	15	1951				
29	0.06	2	1951				
30	0.01		1951				
31	T	T	1967*				
Monthly	0.79	20	1977				

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

93107 STATION
MIRAMAR, CALIFORNIA
STATION NAME

1947-1977
YEARS

DAILY EXTREME AMOUNTS

5724 DAILY AMOUNT MAR 1978

SEPTEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	T	T	1967*			
2	T	T	1976*			
3	0.44	11	1976			
4	1.04	26	1963			
5	T	T	1972*			
6	0.14	4	1972			
7	0.02	1	1975			
8	0.01		1972			
9	0.14	4	1976			
10	1.10	28	1976			
11	0.03	1	1976			
12	0.01		1975			
13	T	T	1975*			
14	T	T	1976*			
15	0.01		1969			
16	0.03	1	1963			
17	0.50	13	1963			
18	0.43	11	1963			
19	0.10	3	1963			
20	0.06	2	1949			
21	0.60	15	1947			
22	T	T	1975*			
23	0.01		1958			
24	0.36	9	1964			
25	0.02	1	1976			
26	0.23	6	1976			
27	0.05	1	1951			
28	0.15	4	1951			
29	T	T	1971*			
30	T	T	1967*			
31						
Monthly	1.10	28	1976			

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.57	14	1959			
2	0.03	1	1976			
3	0.12	3	1970			
4	0.02	1	1966			
5	0.21	5	1977			
6	0.01		1977*			
7	0.03	1	1975			
8	0.72	18	1961			
9	0.01		1962			
10	0.95	24	1966			
11	0.33	8	1957			
12	0.03	1	1957			
13	0.43	11	1947			
14	0.31	8	1957			
15	0.03	1	1964			
16	0.56	14	1971			
17	0.27	7	1971			
18	0.73	19	1948			
19	0.41	10	1972			
20	0.14	4	1972			
21	0.27	7	1957			
22	0.07	2	1976			
23	0.37	9	1976			
24	0.15	4	1971			
25	1.34	34	1951			
26	0.13	3	1974			
27	0.12	3	1974			
28	0.84	21	1974			
29	1.02	26	1974			
30	0.37	9	1957			
31	T	T	1961*			
Monthly	1.34	34	1951			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

1947-1977

YEARS

NOVEMBER
MONTH

DECEMBER
MONTH

DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.39	10	1974			
2	0.20	5	1974			
3	0.23	6	1960			
4	0.08	2	1968			
5	0.26	7	1960			
6	0.40	10	1969			
7	1.17	30	1966			
8	0.07	2	1972			
9	0.20	5	1947			
10	1.01	26	1949			
11	0.96	24	1972			
12	1.09	28	1976			
13	1.08	27	1950			
14	0.54	14	1965			
15	0.72	18	1965			
16	1.72	44	1972			
17	0.51	13	1972			
18	0.49	12	1973			
19	0.16	5	1967			
20	1.14	29	1963			
21	0.62	16	1967			
22	2.03	52	1965			
23	0.60	15	1965			
24	0.11	3	1965			
25	0.43	11	1961			
26	0.59	15	1960			
27	0.69	18	1975			
28	0.14	4	1970			
29	0.57	14	1970			
30	0.23	6	1967			
31						
Monthly	2.03	52	1965			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.54	39	1947			
2	0.82	21	1961			
3	0.89	23	1966			
4	1.79	45	1947			
5	2.02	51	1966			
6	0.84	21	1966			
7	0.21	5	1971			
8	0.40	10	1972			
9	1.29	33	1965			
10	0.73	19	1965			
11	0.77	20	1951			
12	0.33	8	1975			
13	0.48	12	1965	0.2	5	1967
14	0.60	15	1965			
15	0.25	6	1949			
16	0.37	9	1965			
17	0.73	19	1948			
18	0.62	16	1967			
19	0.61	15	1970			
20	0.80	20	1952			
21	0.31	8	1959			
22	0.82	21	1948			
23	0.13	3	1977			
24	1.02	26	1959			
25	0.51	13	1977			
26	0.52	13	1977			
27	0.71	18	1948			
28	0.50	13	1952			
29	0.53	13	1951			
30	2.27	58	1951			
31	0.71	18	1976			
Monthly	2.27	58	1951	0.2	5	1967

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:
 - (1) Annual - all hours combined
 - (2) By month - all hours combined
 - (3) By month - by standard 3-hour groups
- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

93107 MIRAMAR, CALIFORNIA
STATION NAME

47-77

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
47	NE 23SSW 39S	33S	32W	27S	20WSW	18W	21SW	20W	20NNW	24ENE	30		
48	ESE 36SSW 24NNW 28	35S	16W	32SW	20W	24SW	20SW	21SSW	16SW	19SSW	21ENE	24	
49	W 35S	16W	32SW	20W	24SW	20SW	18NNW	19NE	41SSW	33SSW	34WSW	38	
50	W 39NNW 28W	37W	33NW	21SSW	22SW	18W	19NNW	16NNW	16NNW	19ENE	20NNW	22	NE 41
51	W 39NNW 28W	37W	33NW	21SSW	22SW	18W	19NNW	16NNW	16NNW	19ENE	20NNW	22	W 39
52	S 27SSW 23S	36S	24SSW	19SSW	18W	14NNW	13NNE	21					
53			ESE 31W	19	19	19	17						
54	S 33NNW	19SW	20SW	18W	17W	18W	15NNW	17SSE	22NE	23			
55	S 35NW	27SSW	23S	33NNW	21W	20W	17SSE	21NNW	20NNW	18NNE	22WSW	25	S 35
56	S 20ESE	28E	30SSE	31ENE	31W	20W	18SW	17WSW	19WSW	18E	31E	30	SSE 31
57	ESE 27S	20NW	26S	30W	21E	21S	19SSW	22W	18S	19ENE	38S	31	ENE 38
58	N 20S	27WSW	37WSW	41SSW	21W	20W	18W	19WSW	18SSW	19W	38ENE	26	WSW 41
59	SE 28S	34NE	21	W 24WSW	20S	21W	20E	28NE	23S	18NNW	36		
60	SSE 26W	38W	24NE	26SSW	22W	18NE	21NW	18W	22SW	27S	27NE	29	W 38
61	SSW 17NE	23NE	28W	20W	23W	21WSW	20NW	18NW	20NNW	26NE	33SSE	20	NE 33
62	S 33W	28W	30W	17SW	22SSW	19NW	16NW	21NW	18	SSW	19		
63	NE 21SSW	26W	26NNW	29SSW	19SW	20SW	18W	20ESE	26NNW	20W	26W	21	NNW 29
64	SSW 26NE	31NNW	30W	26W	27NNW	18W	16S	28W	20ENE	25NE	28ENE	35	ENE 35
65	NNW 28W	23NE	21S	30W	21NW	19NNW	18NW	17S	18ENE	22S	29W	30	S 30
66	NE 33NNE	31W	30NW	19W	25NNW	20W	19NW	19NNW	19NW	19SW	26SW	33	NE 33
67	NE 25NW	16W	26NW	26ENE	30W	20W	16NW	17W	20E	33SSW	24S	29	E 33
68	SW 15SSE	21S	28SW	24NW	22SW	18SW	21WSW	19SW	21W	21NW	27NNW	28	S 28
69	S 34NW	32W	24W	20S	18W	19NNW	18NNW	23NW	18W	21W	28NNW	26	S 34
70	W 18S	34S	24W	28NE	28S	25NW	18W	16NE	34E	27S	37W	41	W 41
71	WSW 3921	2729	3028	2922	2725	2432	1923	2120	2030	2636	2133	30	WSW 39
72	10 2233	1719	2929	2930	2202	2119	3220	2518	3101	3319	3531	33	19 35
73	21 3321	4323	3903	3224	1827	1924	1823	2230	1820	2229	3130	29	21 43
74	18 3807	2417	3527	2729	4433	2218	2301	2030	1728	2730	1934	32	29 44
75	30 3109	3224	3633	2928	3023	3234	3332	2631	3124	2828	3706	31	24 38
76	09 3023	4434	3529	4829	2730	2320	1811	2219	3003	2505	2603	25	29 48
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

93107	STATION	MIRANAR, CALIFORNIA	STATION NAME	47-77	YEARS
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NAVWEASERVCOM

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
93107

STATION NAME
MIRAMAR, CALIFORNIA

YEARS
73-77

MONTH
JAN

CLASS
ALL WEATHER

HOURS (L.S.T.)
01

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.6	1.3	.6								4.5	6.3
NNE	2.6	1.3	1.3									5.2	4.1
NE		1.3	1.3									2.6	6.3
ENE	1.9	3.9	.6	.6								7.1	4.7
E	7.1	13.5	14.2									34.8	5.8
ESE	.6	6.5	5.2									12.3	6.2
SE	.6	3.2	1.3									5.2	5.3
SSE		1.3	.6	.6								2.6	7.0
S	1.3	.6	1.3									3.2	5.8
SSW	.6	.6										1.3	3.0
SW	.6											.6	3.0
WSW		.6	.6									1.3	7.0
W			1.3									1.3	9.0
WNW		.6	.6	.6								2.6	10.3
NW				.6								.6	12.0
NNW	.6											.6	2.0
VARBL													
CALM												14.2	
	18.1	34.2	29.7	3.2	.6							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107

STATION NAME
MIRANAR, CALIFORNIA

YEARS
73-77

MONTH
JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

04

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.6	.6									1.9	4.3
NNE	1.9	2.6										4.5	3.7
NIE	1.9		1.9									3.9	4.7
ENE	3.9	5.8										10.3	4.9
E	6.5	15.5	14.2	1.3		.6						37.4	6.0
ESE	2.6	3.2	5.2	1.3								12.3	7.0
SE	.6	.6	1.3									2.6	5.8
SSE	1.3	.6	1.3									3.2	5.0
S	2.6		1.3									3.9	4.5
SSW		.6	.6									1.3	7.0
SW				.6								.6	13.0
WSW		.6		.6								1.3	8.5
W			.6									.6	8.0
WNW			.6	.6								1.3	10.0
NW		.6		.6								1.3	11.0
NNW	.6	.6	.6									1.9	6.3
VARBL													
CALM												11.6	
	22.6	31.6	28.4	5.2		.6						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.6	.6								3.9	5.8
NNE	.6	1.3										1.9	4.0
NE		.6	.6									1.3	6.5
ENE	2.6	4.5	.6	.6								8.4	4.6
E	5.8	25.8	14.2	1.3								47.1	5.5
ESE	3.2	4.5	3.2	1.9								12.9	6.3
SE				.6								.6	11.0
SSE	.6	1.9	1.9	1.3								5.8	7.9
S	.6	1.3	1.3									3.2	5.6
SSW													
SW		1.3										1.3	5.0
WSW	.6											.6	1.0
W		.6	1.9									2.6	7.8
WNW			.6									.6	7.0
NW													
NNW	.6											.6	2.0
VARB													
CALM												9.0	
	16.1	43.2	25.2	6.5								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	1.9	.6									5.8	3.4
NNE	1.3	.6										1.9	3.0
NE	1.3	.6										1.9	3.3
ENE		.6	.6									1.3	5.5
E	1.9	2.6	.6	.6								5.8	5.3
ESE	1.9	4.5	1.3									7.7	4.3
SE	.6	1.3	1.9	.6								4.5	7.3
SSE	3.9	5.2	4.5		.6							14.2	6.2
S	3.2	2.6	2.6	1.9								10.3	6.2
SSW	.6	5.2	.6	1.3								7.7	5.9
SW	.6	1.3										1.9	4.7
WSW	1.3	1.9										3.2	3.4
W	3.2		1.3	.6								5.2	5.3
WNW	1.3	.6	1.3	.6								3.9	7.2
NW	1.9	.6		.6								3.2	5.2
NNW	2.6		.6	.6								3.9	5.2
VARBL													
CALM												17.4	
	29.0	29.7	16.1	6.5	1.3							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.2	1.3									5.2	5.1
NNE	1.3											1.3	2.0
NE				.6								.6	14.0
ENE													
E			1.9	1.3								3.2	11.0
ESE													
SE			.6	1.3								1.9	11.0
SSE				.6								.6	12.0
S	1.3	3.2	1.9	1.3			.6					8.4	8.5
SSW	.6	2.6		1.3								4.5	6.0
SW	.6	.6	2.6	1.3								5.2	8.3
WSW	1.3	1.9	2.6	.6								6.5	6.5
W	1.9	5.8	7.1	1.3								16.1	6.8
WNW	2.6	7.7	7.7	3.9	.6							23.2	8.0
NW	.6	1.3	8.4	1.9								12.3	8.6
NNW	1.3	1.3	3.2	1.3								7.1	7.8
VARBL													
CALM												3.9	
	12.3	27.7	37.4	16.6	.6	.6	.6					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6		4.5	.6								5.8	8.3
NNE													
NE				.6								.6	16.0
ENE					.6							.6	17.0
E				1.3	1.3							2.6	15.3
ESE													
SE		1.9	.6									2.6	5.8
SSE			1.3									1.3	9.0
S	.6		1.9	.6		.6						3.9	11.0
SSW	.6	.6	1.3	.6	.6							3.9	9.3
SW	1.3	2.6	.6	.6								5.2	6.0
WSW	.6	1.3	.6	.6								3.2	6.6
W	.6	5.8	3.2	1.9								11.6	7.3
WNW	2.6	8.4	10.3	.6								21.9	6.8
NW		7.1	14.8	2.6								24.5	8.0
NNW	.6	1.9	5.2	1.9	.6							10.3	9.0
VARBL													
CALM												1.9	
	7.7	29.7	44.5	12.3	3.2	.6						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	7.7	6.5									16.8	5.8
NNE	2.6	6.5	.6									9.7	4.8
NE		3.9	.6									4.5	5.1
ENE	1.9	1.9	.6	.6								5.2	5.5
E	5.2	5.2	3.9	.6	.6							15.5	5.7
ESE	1.9	1.9										3.9	3.7
SE		.6										.6	4.0
SSE		1.3	1.3									2.6	6.3
S	1.9	1.3	.6		.6		.6					5.2	9.3
SSW		1.3				.6						1.9	10.0
SW	.6	.6										1.3	4.0
WSW		1.3	.6									1.9	6.0
W		.6		.6								1.3	8.5
WNW	.6		1.3									1.9	6.0
NW	1.3		1.3									2.6	5.0
NNW	2.6	.6										3.2	2.8
VARBL													
CALM												21.9	
	21.3	34.8	17.4	1.9	1.3	.6	.6					100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.6									1.9	5.7
NNE	1.9	2.6	.6									5.2	4.3
NE	2.6	2.6	1.3									6.5	4.1
ENE	2.6	1.9	1.9	.6								7.1	5.8
E	7.1	13.5	11.0									31.6	5.2
ESE	4.5	5.2	5.2									14.8	5.4
SE	.6	1.9										2.6	4.0
SSE	.6		.6	.6								1.9	8.7
S		2.6	1.9									4.5	6.9
SSW					.6							.6	21.0
SW			.6									.6	7.0
WSW			.6									.6	9.0
W	.6		.6	.6								1.9	7.3
WNNW		.6	1.9									2.6	8.5
NW			.6									.6	7.0
NNW													
VARBL													
CALM												16.8	
	20.6	32.3	27.7	1.9	.6							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.1	2.0	.2								5.7	5.7
NNE	1.5	1.9	.3									3.7	4.1
NE	.7	1.1	.7	.2								2.7	5.4
ENE	1.6	2.3	.6	.3	.1	.1						5.0	5.3
E	4.2	9.5	7.5	.8	.2							22.3	5.9
ESE	1.9	3.2	2.5	.4								8.0	5.8
SE	.3	1.2	.7	.3								2.6	6.3
SSE	.8	1.3	1.5	.4	.1							4.0	6.8
S	1.5	1.5	1.6	.5	.1	.1	.2					5.3	7.3
SSW	.3	1.4	.3	.4	.2	.1						2.7	7.3
SW	.5	.6	.5	.3								2.1	6.5
WSW	.5	1.0	.6	.2								2.3	6.0
W	.8	1.6	2.0	.6								5.1	7.0
WNW	.9	2.3	3.1	.7	.2	.1						7.3	7.6
NW	.5	1.2	3.1	.6								5.6	7.9
NNW	1.1	.6	1.2	.5	.1							3.5	6.9
VARBL													
CALM												12.1	
	16.5	32.9	28.3	6.6	1.0	.3	.2					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRANAR, CALIFORNIA
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	2.1	.7									7.1	3.7
NNE													
NE	2.1	.7	.7									3.5	3.6
ENE	2.8	3.5										6.4	3.7
E	8.5	18.4	5.7									32.6	4.9
ESE	2.1	4.3	5.0	1.4								12.8	6.8
SE		1.4	1.4	.7								3.5	6.4
SSE	2.8	1.4	.7	.7								5.7	4.8
S	1.4	1.4	.7	.7								4.3	6.2
SSW	.7	.7	.7	.7								2.8	7.8
SW	.7		.7									1.4	6.5
WSW		.7	.7									1.4	6.5
W		2.1	.7									2.8	6.3
WNW			.7									.7	7.0
NW			.7									.7	7.0
NNW	1.4											1.4	2.0
VARBL													
CALM												12.8	
	27.0	36.9	19.1	4.3								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107

STATION NAME
MIRAMAR, CALIFORNIA

73-77

YEARS

FEB

MONTH

04

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7									2.1	4.7
NNE													
NE			.7									.7	7.0
ENE	2.8	2.8	1.4	.7								7.8	5.2
E	9.9	21.3	8.5									39.7	4.9
ESE		8.5	.7	2.6								12.1	6.8
SE	2.8	2.8	1.4	1.4								8.5	5.5
SSE	.7	2.8										3.5	4.2
S	.7	3.5		.7	.7							5.7	7.3
SSW		.7		.7								1.4	10.5
SW	.7											.7	2.0
WSW													
W		1.4	1.4									2.8	7.0
WNW		.7	.7									1.6	5.5
NW		.7										.7	4.0
NNW	1.4											1.6	1.0
VARBL													
CALM												11.3	
	19.9	46.1	15.6	6.4	.7							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRANAR, CALIFORNIA
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	1.4									2.8	6.0
NNE		1.4										1.4	4.0
NE	1.4	1.4	.7									3.5	5.0
ENE	2.8	6.4	1.4									10.6	4.5
E	7.8	17.0	9.9									34.8	5.4
ESE		9.2	5.7	.7								15.6	6.8
SE		2.1										2.1	4.7
SSE	2.1	1.4	1.4									5.0	4.4
S	.7	.7	2.1	1.4								5.0	8.1
SSW	.7	1.4										2.1	4.0
SW													
WSW	.7											.7	2.0
W		.7	.7									1.4	5.5
WNW		.7	.7	.7								2.1	9.0
NW		.7										.7	5.0
NNW	.7											.7	2.0
VARBL													
CALM												11.3	
	17.7	44.0	24.1	2.6								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107

MIRAMAR, CALIFORNIA

73-77

FEB

STATION NAME

YEARS

MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	3.5	1.4	1.4								9.2	5.5
NNE	.7	.7										1.4	3.5
NE													
ENE	.7	1.4		.7								2.8	6.0
E	1.4	.7	.7									2.8	4.8
ESE	.7	1.4										2.1	4.3
SE	1.4	1.4	1.4									4.3	4.7
SSE	.7	2.8	2.8									6.4	5.7
S	5.7	2.8	2.8	2.8	.7							14.9	6.5
SSW	.7	2.1	1.4	.7								5.0	7.1
SW		1.4										1.4	5.5
WSW	2.1	.7	1.4									4.3	4.8
W	4.3	2.8	2.1	.7		.7						10.6	6.0
WNW			1.4	1.4								2.8	10.0
NW	2.1	2.8		.7								5.7	5.4
NNW	1.4	3.5	1.4									6.4	5.3
VARBL													
CALM												19.9	
	24.8	28.4	17.0	8.5	.7	.7						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107

STATION NAME
MIRAMAR, CALIFORNIA

73-77

YEARS

FEB

MONTH

ALL WEATHER

CLASS

13

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7		1.4									2.1	6.0
NNE		.7		.7								1.4	10.5
NE													
ENE													
E		.7	.7									1.4	6.5
ESE													
SE													
SSE	.7		1.4									2.1	6.3
S	.7	.7	2.1	.7								4.3	6.8
SSW	2.1	1.4		2.1	1.4							7.1	9.1
SW	.7	.7	.7	1.4								3.5	8.0
WSW		2.8	1.4	.7		.7						5.7	9.5
W		6.4	7.1	7.1								20.6	8.7
WNW	.7	5.0	9.9	3.5								19.1	8.3
NW	2.1	7.1	10.5	4.3								24.1	7.6
NNW		1.4	5.0	.7								7.1	9.3
VARBL													
CALM												1.4	
	7.8	27.0	40.4	21.3	1.4	.7						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.1	3.5	.7								6.4	8.2
NNE													
NE			.7									.7	9.0
ENE			.7	.7								1.4	13.5
E													
ESE			.7									.7	10.0
SE													
SSE		1.4										1.4	6.0
S		.7	.7	1.4								2.8	9.0
SSW		1.4	.7	2.1								4.3	9.7
SW	.7	.7		1.4								2.8	8.0
WSW		1.4	1.4	.7								3.5	8.2
W		3.5	9.2	2.6	.7							16.3	9.2
WNW	.7	6.4	11.3	2.1								20.6	7.7
NW		6.4	13.5	5.0								24.8	8.9
NNW	1.4	1.4	7.1	3.5								13.5	8.9
VARBL													
CALM												.7	
	2.8	25.5	49.6	19.9	1.4							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.4	4.3	2.8									13.5	4.4
NNE	2.1	4.3	.7									7.1	4.4
NE		.7	.7	.7								2.1	9.7
ENE	2.1	2.8										5.0	3.9
E	3.5	2.8	1.4									7.8	4.6
ESE	3.5	.7										4.3	2.8
SE	1.4		.7									2.1	4.7
SSE		1.4										1.4	5.0
S	.7	.7	2.1	.7								4.3	7.3
SSW		1.4	1.4									2.8	6.0
SW		2.1		.7								2.8	6.5
WSW		2.8	1.4									4.3	5.7
W	2.1	2.8	1.4									6.4	4.8
WNW	.7	2.1	2.1									5.0	6.3
NW	1.4	2.1	2.1									5.7	5.9
NNW	4.3	6.4	2.1									12.8	4.3
VARBL													
CALM												12.8	
	28.4	37.6	19.1	2.1								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.1	1.4									5.0	5.6
NNE	1.4	2.1	.7									4.3	4.8
NE	.7	3.5										4.3	4.3
ENE	5.0	2.8										7.8	3.1
E	9.2	9.9	2.1	.7								22.0	4.5
ESE	2.1	5.0	2.8									9.9	5.4
SE	2.1	3.5	2.8									8.5	5.4
SSE	2.1	1.4										3.5	3.6
S	.7	2.1	1.4	.7								5.0	6.9
SSW	.7		.7	.7								2.1	8.0
SW	1.4	.7										2.1	2.7
WSW	.7	1.4	.7									2.3	5.0
W		.7	1.4									2.1	7.3
WNW			.7									.7	8.0
NW	.7											.7	2.0
NNW	.7	.7										1.4	3.5
VARBL													
CALM												17.7	
	29.1	36.2	14.9	2.1								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

93107

MIRAMAR, CALIFORNIA

73-77

FEB

YEARS

MONTH

ALL WEATHER

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.0	1.7	.3								6.0	5.3
NNE	.3	1.2	.2	.1								2.0	5.0
NE	.3	.8	.4	.1								1.9	5.4
ENE	2.0	2.5	.4	.2	.1							5.2	4.6
E	5.1	8.9	3.6	.1								17.6	5.0
ESE	1.1	3.6	1.9	.6								7.2	6.2
SE	1.0	1.4	1.0	.3								3.6	5.6
SSE	1.2	1.6	.6	.1								3.6	4.9
S	1.3	1.6	1.5	1.2	.2							5.8	7.0
SSW	.6	1.2	.6	.9	.2							3.5	8.0
SW	.5	.7	.2	.4								1.9	6.3
WSW	.4	1.2	.9	.2		.1						2.8	6.7
W	.6	2.6	3.0	1.3	.1	.1						7.9	7.7
WNW	.3	1.9	3.5	1.0								6.6	7.9
NW	.8	2.5	3.4	1.2								7.9	7.6
NNW	1.4	1.7	2.0	.5								5.6	6.4
VARB												11.0	
CALM												100.0	5.5
	19.7	35.2	25.0	8.4	.5	.2							

TOTAL NUMBER OF OBSERVATIONS

1128

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.9	.6									5.2	3.9
NNE	1.3											1.3	2.0
NE	.6		1.9									2.6	6.0
ENE	1.9	1.9		.6								4.5	4.7
E	6.5	12.9	5.8									25.2	4.8
ESE	3.9	4.5	3.9									12.3	4.8
SE	1.3	3.2	.6									5.2	4.8
SSE	2.6	3.2	1.9	.6								8.4	5.7
S	1.3	3.9	.6	1.3								7.1	6.2
SSW	1.9	1.9	.6									4.5	4.6
SW	.6	.6	.6									1.9	5.7
WSW		.6	.6									1.3	5.5
W	1.3	1.3	.6									3.2	4.0
WNW	1.3		.6	.6								2.6	7.0
NW		.6	1.3	.6								2.6	9.8
NNW													
VARBL													
CALM												12.3	
	27.1	36.8	20.0	3.2	.6							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

NIRANAR, CALIFORNIA
STATION NAME

73-77
YEARS

HAR
NORTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6											2.6	2.0
NNE	1.3	.6										1.9	2.3
NE		1.3	.6									1.9	6.3
ENE	3.2	3.2										6.5	3.6
E	9.0	11.0	5.2	.6								25.8	5.1
ESE	2.6	5.2	3.9	.6								12.3	5.7
SE	1.3	2.6	.6									4.5	4.4
SSE	1.3	.6	2.6									4.5	5.9
S	1.9	3.9	1.3	1.3	.6							9.0	6.9
SSW		1.3	1.3									2.6	6.8
SW		1.3										1.3	5.5
WSW	.6	1.3										1.9	4.7
W		.6										.6	4.0
WNW	1.3	1.3	.6	1.3								4.5	7.3
NW	.6	1.3	1.3	1.3								4.5	8.4
NNW	1.3	.6										1.9	3.0
VARBL													
CALM												13.5	
	27.1	36.1	17.4	5.2	.6							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
ALL WEATHER
CLASS

YEARS

MAR
MONTH

07
DAY

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.9		.6								2.6	6.3
NNE	1.3	.6	.6									2.6	4.0
NE	.6	.6										1.3	3.5
ENE	2.6	.6	.6									3.9	3.5
E	9.7	10.3	9.7									29.7	5.0
ESE	5.8	5.2	2.6	.6								14.2	4.7
SE	2.6	1.3	1.3									3.9	4.0
SSE	1.9	3.2	1.3									6.5	4.8
S	1.9	4.5	2.6	.6		.6						9.7	6.4
SSW	1.9	.6	.6									3.9	7.2
SW													
WSW	1.3	.6	.6									2.6	4.5
W	.6	1.3	1.3	.6								2.6	9.3
WNW	1.3	.6	.6									2.6	4.8
NW		1.3	1.3									2.6	6.5
NNW		.6		.6								1.3	6.0
VARBL													
CALM												10.3	
	31.6	31.0	23.2	2.6	.6	.6						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

MAR
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.9	1.3		.6							5.2	6.5
NNE	1.9	1.3	1.3									4.5	4.4
NE		.6										.6	6.0
ENE	.6	.6										1.3	3.5
E	.6	.6										1.3	3.5
ESE		.6										.6	6.0
SE		.6										.6	4.0
SSE		.6	.6									1.3	6.5
S	1.3	2.6	2.6	1.3	.6	.6						9.0	8.9
SSW	.6	3.2	1.3	3.2		.6						9.0	9.9
SW	2.6	3.9	1.3	.6		.6						9.0	6.2
WSW	1.3	.6	3.2		.6							5.8	7.4
W	3.2	3.2	2.6	3.2								12.3	7.1
WNW	2.6	3.2	4.5	1.3		.6						12.3	7.6
NW	1.9	3.2	1.3	1.9								8.4	6.3
NNW	3.2	1.3	.6									5.2	3.4
VAEBL													
CALM												13.5	
	21.3	28.4	20.6	11.6	1.9	2.5						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SAOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA

73-77

YEARS

MAP
NORTH

13

HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.9	.6								2.6	9.0
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S	.6	1.3	1.3	1.2	.6	.6						3.9	12.7
SSW		2.6	1.3	1.9								6.5	8.5
SW		1.3	1.3	2.6								3.9	11.0
WSW	.9	1.3	1.9	2.6								6.5	8.8
W	1.3	4.5	15.5	9.7								31.0	9.1
WNW		2.6	8.4	9.7	1.3	1.3						23.2	11.3
NW		3.2	5.2	6.2	.6							15.5	10.3
NNW		1.9	1.9	1.9	.6							6.5	9.7
VARBL													
CALM												.6	
	2.6	17.4	37.4	36.8	3.2	1.9						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6		.6									1.3	4.5
NNE													
NE													
ENE	.6											.6	2.0
E		.6										.6	6.0
ESE			.6									.6	8.0
SE				.6								.6	11.0
SSE													
S						.6						.6	22.0
SSW		.6	.6	1.3								2.6	10.5
SW	.6		3.2	.6								4.5	8.1
WSW		3.2	1.9	.6	1.3							7.1	9.4
W	1.3	5.2	9.0	5.8	.6							21.9	8.9
WNW	1.3	5.2	7.7	10.3	3.2	.6						28.4	10.5
NW		1.9	12.9	7.7	1.3							23.9	10.3
NNW		3.2	3.2		.6							7.1	7.9
VARBL													
CALM												.0	
	4.5	20.0	40.0	27.1	7.1	1.3						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

MAR
MONTH

19
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	3.2	3.9									11.0	5.2
NNE		.6	1.3									1.9	7.0
NE		.6										.6	6.0
ENE													
E													
ESE	1.3											1.3	2.0
SE	.6		.6	.6								1.9	6.3
SSE	.6	1.3		.6								2.6	6.3
S			.6	.6								1.3	10.0
SSW	1.9		3.9									5.8	6.2
SW	1.9	3.9	1.3									7.1	5.2
WSW	2.6	2.6										5.2	3.3
W	4.5	3.2	1.3	.6								9.7	5.0
WNW	3.9	3.9	3.9	1.3								12.9	5.9
NW	3.2	5.2	3.2	.6								12.3	5.7
NNW	4.5	7.1	5.8									17.4	5.5
VARBL													
CALM												9.0	
	29.0	31.6	25.8	4.5								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

155

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME HIRAHARA, CALIFORNIA YEARS 73-77 MONTH MAR
CLASS ALL WEATHER HOURS (L.S.T.) 22

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	4.5		.6								6.5	5.1
NNE	.6	5.2										5.8	4.6
NE	1.9	.6										2.6	3.3
ENE	3.2	.6										3.9	2.3
E	8.4	11.6	.6									20.6	3.9
ESE	3.2	4.5	.6									8.4	4.2
SE	.6	3.2										3.9	4.0
SSE	3.2	1.9	1.3									6.5	4.6
S	1.3	4.5	1.3	1.3								8.4	6.5
SSW	.6	1.3	.6									2.6	5.0
SW	1.3											1.3	2.5
WSW		1.3	1.3	.6								3.2	8.0
W	2.6											2.6	2.8
WNW	1.3	1.9	1.3	.6								5.2	5.8
NW		.6										.6	6.0
NNW	1.3	1.9	.6									3.9	4.3
VARBL													
CALM												14.2	
	31.0	43.9	7.7	3.2								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.7	1.0	.2	.1							4.6	5.3
NNE	.8	1.0	.4									2.3	4.3
NE	.4	.5	.3									1.2	5.0
ENE	1.5	.9	.1	.1								2.6	3.5
E	4.3	5.9	2.7	.1								12.9	4.7
ESE	2.1	2.5	1.5	.2								6.2	4.9
SE	.8	1.2	.4	.2								2.6	4.7
SSE	1.2	1.4	1.0	.2								3.7	5.4
S	1.0	2.6	1.1	1.0	.2	.2						6.1	7.7
SSW	1.0	1.5	1.3	.8		.2						4.7	7.6
SW	.9	1.2	1.0	.5		.1						3.6	6.7
WSW	.8	1.5	1.2	.5	.2							4.2	7.1
W	1.9	2.3	3.8	2.4	.2							10.5	7.8
WNW	1.6	2.3	3.5	3.1	.6	.3						11.5	9.0
NW	.7	2.2	3.3	2.3	.2							8.8	8.7
NNW	1.3	2.1	1.5	.3	.2							5.4	6.2
VARBL													
CALM												9.2	
	21.8	30.6	24.0	11.8	1.8	.5						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

APR
MONTH

01
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.0	.7									5.3	4.1
NNE				.7								.7	11.0
NE	.7	.7										1.3	3.0
ENE	1.3	.7										2.0	3.3
E	8.0	8.0	4.0									20.0	4.2
ESE	2.0	9.3	1.3	.7								13.3	4.9
SE	3.3	2.0	.7									6.0	3.7
SSE	2.0	2.7	1.3									6.0	4.6
S	1.3	2.0	1.3									4.7	4.9
SSW	1.3	.7	2.7									4.7	6.0
SW	.7	.7										1.3	3.0
WSW	.7											.7	2.0
W	2.0	1.3	1.3	.7								5.3	5.8
WNW	1.3	1.3	1.3	.7								4.7	5.9
NW		1.3	1.3									2.7	5.8
NNW		.7										.7	5.0
VARB													
CALM												20.7	
	27.3	33.3	16.0	2.7								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	.7									2.7	4.5
NNE	.7											.7	3.0
NE	.7	1.3										2.0	4.0
ENE	4.7	1.3										6.0	2.3
E	4.7	11.4	3.4									19.5	4.7
ESE	.7	6.7	4.0									13.4	6.3
SE	2.7	2.0	.7									5.4	4.5
SSE	4.0	2.0										6.0	3.1
S	2.0	3.4	.7									6.0	4.6
SSW	.7		.7									1.3	4.5
SW	.7	1.3										2.0	3.7
WSW													
W	.7	2.0	2.7	.7								6.0	7.3
WNW	2.0	1.3	.7	.7								4.7	4.9
NW	.7	.7			.7							2.0	8.3
NNW	1.3	.7										2.0	2.7
VARBL													
CALM												20.1	
	26.8	37.6	13.4	1.3	.7							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

149

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0	.7									4.0	3.8
NNE	.7	.7	.7									2.0	6.0
NE	.7											.7	2.0
ENE	1.3	1.3										2.7	3.5
E	3.3	9.3	2.7	.7								16.0	5.0
ESE	2.7	6.7	.7									10.0	4.5
SE	2.0	2.0	1.3	.7								6.0	5.7
SSE	3.3	2.7	.7									6.7	3.9
S	3.3	2.7	2.7									8.7	4.7
SSW	2.7		1.3									4.0	4.3
SW	.7	.7	2.0									3.3	6.4
WSW	1.3											1.3	2.0
W	.7	2.0	.7									3.3	4.8
WNW	.7		2.0	.7	.7							4.0	10.5
NW	1.3											1.3	1.5
NNW	4.0	.7										4.7	2.3
VARBL													
CALM												21.3	
	30.0	30.7	15.3	2.0	.7							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

10
HOURS (U.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.0	1.3									6.0	5.0
NNE	.7			.7								1.3	6.5
NE				.7								.7	14.0
ENE		.7										.7	5.0
E			2.0									2.0	7.7
ESE	.7											.7	2.0
SE	1.3			.7								2.0	7.0
SSE	.7											.7	2.0
S	.7	4.7	2.0									7.3	5.7
SSW		2.0	1.3									3.3	6.2
SW		6.0	2.0	.7								8.7	6.2
WSW	.7	2.0	2.7	.7								6.0	7.1
W	3.3	6.7	4.7	2.7								17.3	6.5
WNW	4.0	2.7	4.7	2.7	.7							14.7	7.7
NW	2.7	2.7	4.0	1.3		.7						11.3	7.6
NNW	2.0	4.7										6.7	4.0
VARBL													
CALM												10.7	
	19.3	34.0	24.7	10.0	.7	.7						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEAR

APR
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.7								.7	12.0
NNE			.7			.7						1.3	15.0
NE													
ENE													
E													
ESE													
SE													
SSE													
S	.7			1.3								2.0	9.0
SSW		.7	2.7	1.3								4.7	8.7
SW		.7	4.7	1.3								6.7	9.2
WSW		1.3	4.7	2.7								8.7	6.3
W	.7	4.7	14.7	10.0	1.3							31.3	9.6
WNW	.7	2.0	7.3	7.3								17.3	10.1
NW		4.7	8.7	8.7	.7							22.7	9.9
NNW			1.3	2.0								3.3	10.6
VARBL													
CALM												1.3	
	2.0	14.0	44.7	35.3	2.0	.7						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 93107 MIRAMAR, CALIFORNIA STATION NAME 73-77 YEARS APR MONTH 16 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			3.3	.7								4.0	9.8
NNE					.7							.7	18.0
NE													
ENE													
E													
ESE													
SE													
SSE	.7	.7										1.3	4.5
S		2.0		.7	.7							3.3	9.2
SSW	.7			.7								1.3	7.5
SW		2.0	1.3	1.3								4.7	7.9
WSW		1.3	2.7	1.3	.7							6.0	10.0
W	.7	4.0	12.0	4.0								20.7	8.5
WNW	.7	4.7	13.3	10.0								28.7	9.6
NW		6.0	8.7	4.7	.7							20.0	8.8
NNW		.7	3.3	2.7	1.3							8.0	11.8
VARBL													
CALM												1.3	
	2.7	21.3	44.7	26.0	4.0							100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	4.0	2.7	.7								8.7	6.4
NNE		.7	.7									1.3	6.0
NE		.7										.7	4.0
ENE													
E	.7											.7	3.0
ESE													
SE			.7									.7	10.0
SSE													
S	1.3	.7	2.0									4.0	6.0
SSW	1.3	.7	1.3									3.3	4.4
SW		.7	.7	.7								2.0	9.0
WSW	2.7	2.0	2.0									6.7	5.0
W	4.7	5.3	.7	.7			.7					12.0	5.8
WNW	5.3	9.3	6.0									20.7	5.2
NW	4.0	6.7	1.3	1.3								13.3	5.6
NNW	4.0	6.7	6.7	.7								18.0	6.0
VARBL													
CALM												8.0	
	25.3	37.3	24.7	4.0			.7					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
93107

STATION NAME
MIPAMAR, CALIFORNIA

YEARS
73-77

MONTH
APR

CLASS
ALL WEATHER

HOURS (L.S.T.)
22

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	6.0	6.0	1.3									13.3	4.0
NNE	1.3	2.0										3.3	4.0
NE		.7										.7	4.0
ENE	.7											.7	1.0
E	5.3	8.7										14.0	3.9
ESE	4.0	2.7										6.7	3.4
SE	1.3	1.3										2.7	3.3
SSE	2.0	2.0	.7									4.7	4.0
S	3.3	4.0	3.3									10.7	5.0
SSW													
SW	2.0	.7	.7									3.3	4.0
WSW	1.3	1.3	.7									3.3	5.0
W	1.3	.7	1.3	1.3	.7							5.3	8.9
WNW	.7	2.7										3.3	4.8
NW	2.7	.7		.7								4.0	4.0
NNW	1.3	1.3										2.7	3.5
VARBL													
CALM												21.3	
	33.3	34.7	8.0	2.0	.7							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.2	1.3	.3								5.6	5.3
NNE	.4	.4	.3	.2	.1	.1						1.4	7.4
NE	.3	.4		.1								.8	4.7
ENE	1.0	.5										1.5	2.8
E	2.8	4.7	1.5	.1								9.0	4.5
ESE	1.3	3.4	.8	.1								5.5	4.9
SE	1.3	.9	.4	.2								2.8	4.8
SSE	1.6	1.3	.3									3.2	3.9
S	1.6	2.4	1.5	.3	.1							5.8	5.5
SSW	.8	.5	1.3	.3								2.8	6.1
SW	.5	1.6	1.4	.5								4.0	6.8
WSW	.8	1.0	1.6	.6	.1							4.1	7.3
W	1.8	3.3	4.8	2.5	.3		.1					12.7	7.8
WNW	1.9	3.0	4.4	2.8	.2							12.3	8.0
NW	1.4	2.8	3.0	2.1	.3	.1						9.7	7.9
NNW	1.6	1.9	1.4	.7	.2							5.8	6.4
VARBL													
CALM												13.1	
	20.9	30.4	23.9	10.4	1.1	.2	.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

1199

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.2										3.9	4.2
NNE	1.3	.6										1.9	2.7
NE													
ENE	.6											.6	2.0
E	6.5	2.6										9.0	2.7
ESE	2.6	3.2										5.8	3.7
SE	1.3	.6	.6									2.6	3.8
SSE	3.2	3.2	1.3									7.7	4.5
S	2.6	6.5	4.5									13.5	5.6
SSW	.6	1.9	1.3									3.9	5.7
SW	1.3	.6	1.3									3.2	5.2
WSW	3.9											3.9	1.6
W	1.9	1.3	.6									3.9	4.7
WNW	.6	1.3	.6	.6								3.2	7.2
NW	1.3	2.6	.6									4.5	4.7
NNW	3.2	1.9										5.2	3.5
VARBL													
CALM												27.1	
	31.6	29.7	11.0	.6								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

HIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	5.2										6.5	4.1
NNE	.6	.6										1.3	4.0
NE	.6		.6									1.3	4.5
ENE	1.3	.6										1.9	3.0
E	4.5	1.3	1.3									7.1	3.6
ESE	3.2	3.2										6.5	3.4
SE	.6	1.3										1.9	3.3
SSE	3.9	2.6										6.5	3.5
S	3.9	3.2	2.6	1.3								11.0	5.8
SSW	1.9	1.3	1.3									4.5	4.9
SW	.6	.6										.6	6.0
WSW	.6	1.9	.6	.6								3.9	6.3
W	2.6	.6	1.3									4.5	4.6
WNW	1.9	1.3		.6								3.9	6.2
NW	2.6	1.3	.6									4.5	4.0
NNW	.6	.6	1.3									2.6	5.5
VARBL													
CALM												31.6	
	30.3	25.6	9.7	1.9	.6							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	5.2										8.4	3.8
NNE	.6	.6	.6									1.9	5.0
NE	1.9	.6										2.6	3.0
ENE													
E	2.6	1.9	.6									5.2	3.9
ESE	3.2		.6									3.9	3.8
SE	.6		.6	.6								1.9	6.7
SSE	2.6	1.3	1.9									5.8	4.8
S	3.9	5.8	4.5									14.2	5.3
SSW	3.9		1.9									5.8	4.3
SW	1.9	1.3	1.9									5.2	4.9
WSW	1.9	1.3	.6									3.9	4.0
W	2.6	2.6	.6	1.3								7.1	5.3
WNW	1.9	1.3		.6								3.9	5.3
NW	1.3	1.3										2.6	4.0
NNW	1.3	1.3	.6									3.2	3.8
VARBL													
CALM												24.5	
	33.5	24.5	14.5	2.6								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

155

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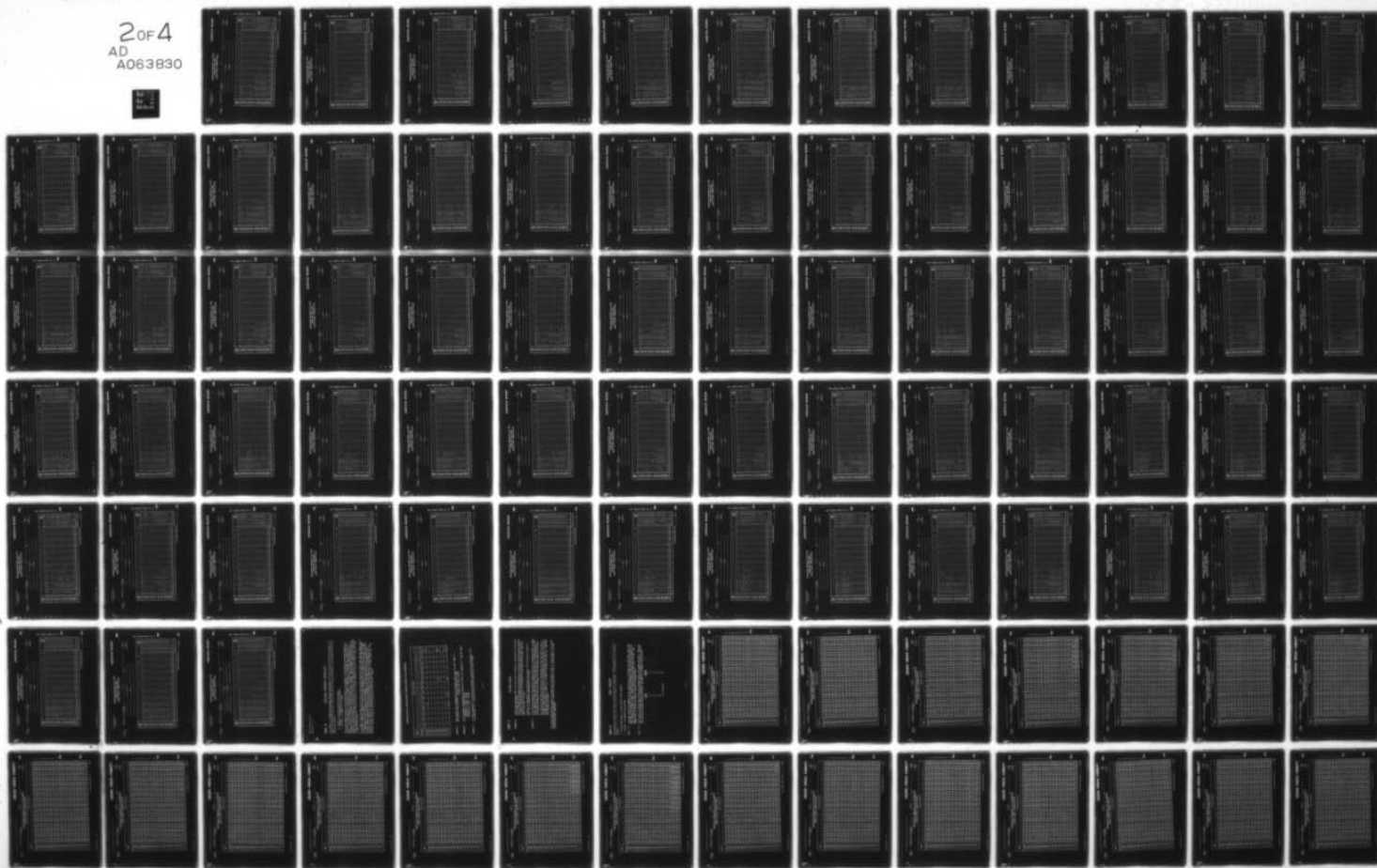
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) MIRAMAR,--ETC(U)
JUL 78

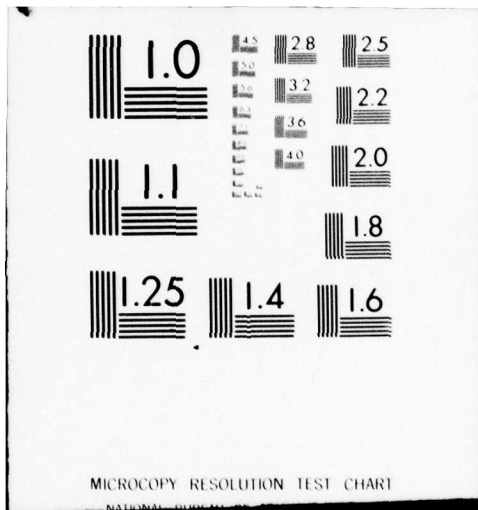
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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3										2.6	3.8
NNE													
NE	.6											.6	2.0
ENE													
E													
ESE													
SE	1.3											1.3	2.0
SSE													
S	2.6	.6	1.9	1.9								7.1	7.2
SSW	2.6	3.9	1.9	1.9								10.3	6.6
SW	.5	3.9	5.2	.6								10.3	7.1
WSW	.6	7.1	3.2	.6								11.6	6.6
W	5.2	8.4	3.9	1.3								18.7	5.3
WNW	1.3	5.2	3.2	1.3								11.0	7.1
NW	1.9	4.5	3.9	.6								11.0	6.1
NNW	2.6	3.2	.6	.6								7.1	5.3
VARBL													
CALM												8.4	
	20.6	38.1	23.9	8.4	.6							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE			.6									.6	9.0
S	.6	1.9		1.3								3.9	6.8
SSW		2.6		1.9								4.5	8.9
SW	.6	3.9	2.6	3.9								11.0	8.3
WSW		2.6	7.7	1.9								12.3	8.8
W	.6	7.1	11.6	9.0								28.4	9.1
WNW		3.2	12.3	3.2								18.7	8.9
NW		5.8	5.2	5.8								16.8	8.7
NNW		.6	1.9	1.3								3.9	9.8
VARBL													
CALM												.0	
	1.9	27.7	41.9	26.4								100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107 STATION

MIRAMAR, CALIFORNIA

73-77

YEARS

MAY

MONTH

16
HOURS (L.S.T.)

ALL WEATHERS
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S			1.3	1.3									
SSW	.6	.6	1.9	1.9								2.6	9.5
SW	1.3	2.6	6.5									5.2	9.6
WSW		1.9	7.7	1.9	.6							10.3	6.9
W	1.3	4.5	16.8	5.2								12.3	9.5
WNW	1.3	2.6	11.0	4.2								27.7	8.5
NW	.6	4.5	6.5	3.9								19.4	8.3
NNW	.6	1.9	3.2	1.3								15.5	8.2
VARBL												7.1	7.8
CALM												.0	
	5.8	18.7	54.8	20.0	.6							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

152

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIE.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.6		.6								3.2	6.8
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S	.6	.6	3.2									4.5	7.4
SSW	1.3	1.3	3.9									6.5	6.4
SW	1.9	2.6	3.2									7.7	5.9
WSW	2.6	3.2	2.6									10.3	5.3
W	3.2	7.7	7.1									18.1	5.6
WNW	2.6	7.1	5.8	.6								16.1	5.8
NW	3.2	11.0	5.2									19.4	5.4
NNW	1.9	5.8	3.2									11.0	5.4
VARBL												3.2	
CALM													
	17.4	43.9	34.2	1.4								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

HIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	6.5	4.5	.0									11.6	3.4
NNE		.6										.6	4.0
NE		.6										.6	4.0
ENE		.6										.6	4.0
E	2.0	1.3										3.9	3.2
ESE	1.9	.9										2.6	3.0
SE	1.9	1.9										3.9	3.8
SSE	.6	1.3	.6									2.6	5.0
S	1.3	3.2	3.9	.6								9.0	6.9
SSW	1.3	1.9	1.3									4.5	5.0
SW	1.9	2.6	1.9									6.5	5.3
WSW	4.5	1.9	.6									7.1	3.4
W	2.6	1.3	1.9									5.8	4.4
WNW	3.9	1.3		.6								5.8	3.9
NW	.6	1.9	1.3									3.9	6.0
NNW	3.2	3.2	1.3									7.7	4.3
VARBL												23.2	
CALM												100.0	3.4
	32.9	29.0	13.5	1.3									

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.7	.1	.1								4.5	4.0
NNE	.3	.3	.1									.7	3.9
NE	.4	.2	.1									.6	3.4
ENE	.2	.2										.4	3.0
E	2.0	.9	.2									3.1	3.3
ESE	1.4	.9	.1									2.3	3.5
SE	.7	.5	.2	.1								1.5	4.0
SSE	1.3	1.0	.6									2.9	4.5
S	1.9	2.7	2.7	.8								8.2	6.3
SSW	1.5	1.7	1.7	.7								5.6	6.4
SW	1.2	2.3	2.6	.6								6.9	6.6
WSW	1.8	2.7	2.9	.6	.2							8.1	6.5
W	2.5	4.2	5.5	2.1								14.3	7.0
WNW	1.7	2.9	4.1	1.5	.1							10.2	7.2
NW	1.5	4.1	2.9	1.3								9.8	6.6
NNW	1.7	2.3	1.5	.4								6.0	5.6
VARBL													
CALM												14.8	
	21.8	29.7	25.5	8.1	.2							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.7	6.0	.7									13.3	3.7
NNE	.7	2.0										2.7	4.5
NE													
ENE	1.3											1.3	2.0
E	3.3	.7										4.0	2.7
ESE	2.0	.7										2.7	2.5
SE	4.0	1.3										5.3	3.1
SSE	1.3	2.0										3.3	3.6
S	2.7	4.0	.7									7.3	4.6
SSW	.7	.7										1.3	4.5
SW	2.7	.7										3.3	2.6
WSW	.7	1.3										2.0	3.7
W	3.3	.7	.7									4.7	3.3
WNW	.7	2.0										2.7	4.5
NW	1.3	1.3										2.7	3.3
NNW	4.0	1.3	1.3									6.7	3.9
VARBL													
CALM												36.7	
	35.3	24.7	3.3									100.0	2.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRANAR, CALIFORNIA
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	10.7										14.7	4.0
NNE	1.3	2.0										3.3	3.6
NE	1.3	.7										2.0	3.3
ENE	1.3											1.3	2.5
E	2.7	2.0										4.7	3.3
ESE	2.7	.7	.7									4.0	3.2
SE	2.0	.7										2.7	3.3
SSE	2.0	2.0										4.0	3.5
S	2.7	3.3	.7									6.7	4.1
SSW	1.3	.7										2.0	3.3
SW	.7	2.7	.7									4.0	4.5
WSW	.7											.7	1.0
W	.7	2.7	.7									4.0	5.3
WNNW	1.3	2.0										3.3	3.6
NW	3.3	.7										4.0	2.8
NNW	2.7		1.3									4.0	4.2
VARBL													
CALM												34.7	
	30.7	30.7	4.0									100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	8.0	5.7	2.0									16.7	4.0
NNE		2.0										2.0	4.7
NE													
ENE	.7											.7	2.0
E	1.3	.7										2.0	2.7
ESE	2.7											2.7	2.3
SE		.7										.7	4.0
SSE	2.0	5.3	.7									8.0	4.6
S	1.3	3.3	2.0									6.7	5.3
SSW	2.0	.7	.7									3.3	3.6
SW	2.0	.7										2.7	3.3
WSW	2.7	1.3	.7									4.7	3.9
W	.7	.7										1.3	4.0
WNW	3.3											5.3	2.1
NW	1.3	2.7	.7									4.7	4.7
NNW	4.7	4.0										8.7	3.1
VARBL													
CALM												30.0	
	34.7	28.7	6.7									100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	4.7	.7									6.7	4.8
NNE													
NE													
ENE													
E													
ESE													
SE		.7										.7	4.0
SSE	.7											.7	2.0
S		2.0	1.3									3.3	6.6
SSW		2.7	2.7	.7								6.0	6.7
SW	2.7	2.0	2.7									7.3	5.6
WSW	4.0	2.0	2.0									8.0	4.5
W	5.3	6.7	4.7									16.7	5.0
WNW	1.3	7.3	3.3									12.0	6.0
NW	3.3	8.0	4.7	3.3								19.3	6.4
NNW	1.3	4.0	4.7									10.0	5.7
VARBL												9.3	
CALA													
	20.0	40.0	26.7	4.0								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	1.3									2.0	5.0
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW	.7	2.0	4.0									6.7	6.9
SW	.7	2.0	4.7	1.3								8.7	8.2
WSW	.7	.7	4.7	1.3								7.3	8.3
W	.7	7.3	12.7	8.7								29.3	8.8
WNW	1.3	4.7	8.7	6.0								20.7	8.5
NW		4.0	8.0	4.7								16.7	9.3
NNW			4.0	3.3								7.3	10.6
VARBL													
CALM												1.3	
	4.0	21.3	48.0	25.3								100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

130

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
93107

STATION NAME
MIRAMAR, CALIFORNIA

YEARS
73-77

MONTH
JUN

CLASS
ALL WEATHER

HOURS (L.S.T.)
16

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	1.3									2.0	7.7
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S	.7	.7	.7	.7								1.3	8.0
SSW	.7	1.3	.7	2.0								4.7	8.0
SW	.7	.7	3.3									4.7	7.4
WSW	.7	2.7	4.0	1.3								8.7	7.5
W	1.3	6.0	12.0	2.0								21.3	7.5
WNW	2.0	3.3	12.0	4.0								21.3	8.1
NW	.7	7.3	11.3	4.0	.7							24.0	8.3
NNW		2.0	6.0	1.3	.7							12.0	9.2
VARBL												.0	
CALM												100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

93107
STATION

MIRANAR, CALIFORNIA
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	4.0	.7	.7								6.0	6.4
NNE		.7										.7	4.0
NE	.7											.7	3.0
ENE													
E													
ESE													
SE													
SSE													
S	.7	.7	1.3									2.7	7.0
SSW	2.0	1.3										3.3	3.6
SW		2.0	1.3									3.3	7.2
WSW	4.0	4.0	1.3									9.3	4.4
W	2.0	9.3	5.3									16.7	5.5
WNW	2.7	10.7	6.7	.7								20.7	5.9
NW	1.3	6.0	11.3	.7								19.3	6.8
NNW	4.0	7.3	2.0									13.3	4.8
VARBL													
CALM												4.0	
	18.0	45.0	30.0	2.0								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

22
MOVES (L.S.T.)

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	12.7	3.3									19.3	5.0
NNE		.7	.7									1.3	6.5
NE	.7											.7	2.0
ENE													
E		.7										.7	5.0
ESE													
SE	.7		.7									.7	2.0
SSE	.7	.7	.7									2.0	6.3
S	2.0	2.7	.7									5.3	4.4
SSW	.7	2.0	.7									3.3	4.6
SW	1.3	1.3	.7									3.3	4.4
WSW	4.0	.7										4.7	2.3
W	3.3	2.0	.7									6.0	4.0
WNW	3.3	1.3	.7									5.3	3.5
NW	4.7	3.3	1.3									9.3	3.0
NNW	4.0	6.0	3.3									13.3	4.7
VARBL													
CALM												24.7	
	28.7	34.0	12.7									100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	5.7	1.2	.1								10.1	4.6
NNE	.2	.9	.1									1.2	4.5
NE	.3	.1										.4	3.0
ENE	.4											.4	2.2
E	.9	.5										1.4	3.1
ESE	.9	.2	.1									1.2	2.7
SE	.8	.4										1.2	3.2
SSE	.8	1.2	.2									2.2	4.3
S	1.2	2.1	.8	.1								4.2	5.1
SSW	1.0	1.4	1.1	.3								3.8	5.7
SW	1.3	1.5	1.7	.2								4.7	5.9
WSW	2.2	1.6	1.6	.3								5.7	5.3
W	2.2	4.4	4.6	1.3								12.5	6.6
WNW	2.2	3.9	3.9	1.3								11.4	6.5
NW	2.0	4.2	4.7	1.6	.1							12.5	6.8
NNW	2.6	3.1	3.1	.6	.1							9.4	5.8
VAL													
CALM												17.6	
	24.2	31.2	23.0	5.8	.2							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.1	8.4	.6									16.1	3.6
NNE		1.9										1.9	5.0
NE		.6										.6	6.0
ENE	.6											.6	2.0
E	1.9	1.3										3.2	2.6
ESE	1.9											1.9	2.3
SE	.6											.6	2.0
SSE	.6	1.3										1.9	3.3
S	2.6	1.9	1.9									6.5	4.4
SSW	.6	2.6	1.3									4.5	5.6
SW	1.3	1.9										3.2	3.4
WSW	2.6	.6										3.2	2.6
W	2.6	.6										3.2	2.6
WNW	1.3											1.3	2.0
NW	3.9	3.9										7.7	3.4
NNW	3.2	3.9	1.3									8.4	4.1
VARBL													
CALM												34.8	
	31.0	29.0	5.2									100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.7	8.4										16.1	3.3
NNE	1.9	1.9	.6									4.5	4.0
NE	1.3	.6										1.9	3.0
ENE													
E	.6	.6										1.3	3.5
ESE	.6	1.3										1.9	4.0
SE		.6	.6									1.3	6.0
SSE	2.6	2.6										5.2	4.0
S	3.2	1.9	1.3									6.5	4.2
SSW	1.3	1.9										3.2	3.6
SW		.6										.6	5.0
WSW	1.9											1.9	2.0
W	1.3	.6	.6									2.6	4.0
WNW	1.9	1.9										3.9	3.3
NW	1.9	1.9										3.9	3.2
NNW	1.3	1.9	.6									3.9	3.7
VARBL													
CALM												41.3	
	27.7	27.1	3.9									100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION
93107

STATION NAME
MIRAMAR, CALIFORNIA

YEARS
73-77

MONTH
JUL

ALL WEATHER
CLASS

HOURS (L.S.T.)
07

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	6.5										9.0	4.1
NNE	4.5	1.3	.6									6.5	3.5
NE		.6										.6	5.0
ENE													
E	.6	.6										1.3	3.0
ESE	1.9											1.9	2.0
SE		1.3	.6									1.9	5.7
SSE		.6										.6	6.0
S	1.9	3.2	1.3									8.4	4.8
SSW	3.2	1.9	.6									5.8	4.0
SW	2.6	1.3										3.9	3.2
WSW	1.3	2.6										3.9	4.0
W	1.3	1.9										3.2	3.4
WNW	3.9											3.9	3.0
NW	2.6	1.3	1.3									5.2	4.5
NNW	3.2	2.6										5.8	3.1
VARB													
CALM												38.1	
	29.7	27.7	4.5									100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAHAR, CALIFORNIA
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.2	1.3									5.8	5.1
NNE		.6										.6	6.0
NE													
ENE	.6											.6	3.0
E													
ESE													
SE													
SSE	.6												
S	1.3											.6	3.0
SSW	1.3	.6	3.9	.6								1.3	2.5
SW	.6	5.8	3.9									6.5	7.1
WSW	.6	5.8	5.2	1.3								10.3	6.4
W	.6	9.7	5.8									12.9	7.0
WNW	4.5	11.6	5.8	.6								16.1	6.3
NW	2.6	5.2	1.9									22.6	5.6
NNW	1.3	1.9	2.6									9.7	4.8
VARB												5.8	5.9
CALM												7.1	
	15.5	44.5	30.3	2.6								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	2.6	.6								4.5	8.3
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE	.6											.6	1.0
S		.6	.6	.6								1.9	9.7
SSW		2.6	1.3	1.9								5.8	5.6
SW	1.3	1.9	6.5	.6								10.3	7.9
WSW	1.3	3.9	5.6	2.6								13.5	7.7
W	.6	5.2	9.7	1.9								17.4	7.8
WNW	1.9	7.1	11.0	2.6								22.6	7.5
NW		2.6	14.8	.6								18.1	8.5
NNW			5.9	1.3								5.2	9.1
VARBL													
CALM												.0	
	5.8	25.2	56.1	12.9								100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
93107

STATION NAME
MIRAMAR, CALIFORNIA

YEARS
73-77

MONTH
JUL

CLASS
ALL WEATHER

HOURS (L.S.T.)
16

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3											1.3	2.5
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S		.6										.6	5.0
SSW		.6	1.3	.6	.6							3.2	11.2
SW	.6	3.2	4.5	1.3								9.7	7.7
WSW	.6	2.6	3.9									7.1	6.5
W	.6	10.3	8.4	.6								20.0	6.8
WNW	1.3	5.2	21.3	1.9								29.7	7.8
NW		6.5	10.3	1.3								18.1	7.9
NNW		3.2	6.5									9.7	7.4
VARB												.6	
CALM													
	4.5	32.3	56.1	5.5	.6							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

JUL
MONTH

19
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.9										2.6	4.3
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S			.6									.6	8.0
SSW	1.9	1.3	3.2									6.5	5.1
SW	1.3	3.2	.6									5.2	4.6
WSW	.6	3.2	.6									4.5	5.7
W	5.2	11.0	1.3									17.4	4.6
WNW	3.9	12.9	7.1									23.9	5.4
NW	2.6	14.2	4.5									21.3	5.3
NNW	1.3	9.6	5.2									15.5	6.0
VARBL													
CALM												2.6	
	17.4	56.8	23.2									100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	12.9	.6									18.1	4.1
NNE		.6										.6	4.0
NE													
ENE													
E		.6										.6	4.0
ESE													
SE		.6										.6	4.0
SSE													
S	1.3	5.2	.6									7.1	4.9
SSW		1.9										1.9	4.3
SW	.6	1.3										1.9	4.0
WSW	2.6	.6										3.2	2.8
W	6.5	1.9										8.4	2.9
WNW	5.8	1.3										7.1	2.3
NW	5.2	3.9										9.0	2.9
NNW	4.5	7.7	1.9									14.2	4.4
VARBL													
CALM												27.1	
	31.0	38.7	3.2									100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	5.3	.6	.1								9.2	4.1
NNE	.8	.8	.2									1.8	4.0
NE	.2	.2										.4	4.0
ENE	.2											.2	2.5
E	.4	.4										.8	3.0
ESE	.6	.2										.7	2.8
SE	.1	.3	.2									.6	5.0
SSE	.6	.6										1.1	3.7
S	1.3	1.9	.6	.1								4.1	4.9
SSW	1.0	1.7	1.5	.4	.1							4.7	6.2
SW	1.0	2.4	1.9	.2								5.6	6.2
WSW	1.5	2.4	1.9	.5								6.3	6.0
W	2.3	5.2	3.2	.3								11.0	5.7
WNW	3.1	5.0	5.6	.6								14.4	6.1
NW	2.3	4.9	4.1	.2								11.6	5.8
NNW	1.9	3.8	2.7	.2								8.5	5.5
VARBL													
CALM												19.0	
	20.3	35.2	22.8	2.7	.1							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.7	11.0	1.9									20.6	4.2
NNE	.0	3.2	.6									4.5	5.0
NE		.6										.6	4.0
ENE													
E	1.9											1.9	2.3
ESE	1.9	1.3										3.2	2.8
SE	.6											.6	2.0
SSE	1.9	1.3	.6									3.9	4.2
S	1.9	4.5	1.3									7.7	4.5
SSW		1.3	1.3									2.6	6.5
SW			.6									.6	7.0
WSW		.6										.6	6.0
W	2.6	1.3										3.9	3.0
WNW	1.9											1.9	2.0
NW	2.6	3.2										5.8	3.2
NNW	6.5	3.2	1.3									11.0	3.6
VARB													
CALM												30.3	
	30.3	31.6	7.7									100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

04
HOURS (L.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	9.0	9.7	2.6									21.3	4.1
NNE	1.9	3.2										5.2	4.0
NE		.6										.6	4.0
ENE													
E	3.2	.6										3.9	2.8
ESE		.6										.6	5.0
SE	.6	.6										1.3	3.0
SSE	1.3	.6	.6									2.6	4.3
S	3.9	.6	1.9	.6								7.1	5.1
SSW		1.9	.6									2.6	5.5
SW	1.9											1.9	2.7
WSW		.6										.6	5.0
W	1.9	.6	.6									3.2	4.4
WNW													
NW	3.2	1.9										5.2	3.4
NNW	5.8	3.9	1.3									11.0	3.9
VARBL													
CALM												32.9	
	32.9	25.8	7.7	.6								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRANAR, CALIFORNIA
STATION NAME

73-77
YEARS

AUG
MONTH

07
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	10.3	6.5	1.9									18.7	3.8
NNE	2.6	1.9	.6									5.2	3.5
NE													
ENE		.6										.6	4.0
E													
ESE	1.9	.6										2.6	3.3
SE	.6	.6										1.3	3.5
SSE		1.9	.6									2.6	5.8
S	4.5	1.9	5.2									11.6	5.5
SSW	.6	.6										1.3	4.0
SW	1.9	.6										2.6	3.0
WSW	1.9	1.3										3.2	3.2
W	3.2	.6	.6									4.5	3.9
WNW	1.3											1.3	2.0
NW	1.9	2.6	.6									5.2	4.4
NNW	4.5	1.3	1.3									7.1	3.9
VARBL													
CALM												32.3	
	35.5	21.3	11.0									100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.2										5.2	3.6
NNE	.6	.6										1.3	4.0
NE	1.3											1.3	1.5
ENE													
E	.6											.6	2.0
ESE													
SE	.6											.6	2.0
SSE	.6											.6	3.0
S	1.3	1.3	3.2									5.8	5.8
SSW	1.3	1.3	5.2									7.7	7.0
SW	.6	.6										.6	6.0
WSW		3.2	1.9									5.8	5.1
W	3.2	6.5	3.9									13.5	5.2
WNW	2.6	4.5	5.8	.6								13.5	6.3
NW	1.3	5.8	9.0	1.3								17.4	7.0
NNW	1.3	10.3	4.5									16.1	5.8
VARBL													
CALM												9.7	
	17.4	37.4	33.5	1.9								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.6									1.3	7.0
NNE		.6										.6	6.0
NE													
ENE													
E													
ESE													
SE													
SSE		.6										.6	4.0
S		.6	.6									1.3	6.0
SSW		.6	3.2	2.6								6.5	9.9
SW			3.2	1.3								4.5	10.6
WSW	1.3	.6	1.9									3.9	6.2
W	1.9	5.2	8.4	1.3								16.8	7.4
WNW	1.9	3.2	9.7	7.1								21.9	8.9
NW		1.9	14.2	9.0								25.2	10.0
NNW		.6	11.6	4.5								16.8	10.0
VARBL													
CALM												.6	
	5.2	14.8	53.5	25.8								100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

155

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

93107
STATION

HIRAHAR, CALIFORNIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

16
HOURS (L. S. T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.6									1.9	6.0
NNE			.6									.6	9.0
NE													
ENE													
E													
ESE													
SE													
SSE		.6										.6	6.0
S			.6	.6								1.3	10.5
SSW	.6	.6	2.6	.6								4.5	7.1
SW		.6	1.3	.6	.6							3.2	11.0
WSW		2.6	3.9	.6								7.1	7.3
W		2.6	9.7	.6								12.9	8.2
WNW		3.2	16.8	1.9								21.9	8.5
NW	1.3	1.9	20.6	5.8								29.7	8.9
NNW		1.9	10.3	1.9								14.2	9.3
VARB													
CALM												1.9	
	1.9	15.5	67.1	12.9	.6							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOIS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRANAS, CALIFORNIA
STATION NAME

72-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.6	2.6									6.5	5.8
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S	.6			.6								1.3	6.5
SSW			.6	.6								1.3	9.5
SW	.6	.6	1.9									3.2	6.2
WSW	1.9	1.3	1.9									5.2	5.3
W	1.9	1.9	1.3									5.2	5.0
WNW	2.6	5.2	7.7									15.5	5.9
NW	3.2	14.8	11.0	.6								29.7	6.2
NNW	3.2	14.2	9.0	.6								27.1	5.9
VARBL													
CALM												5.2	
	15.5	40.6	30.1	2.6								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA

STATION NAME

73-77

YEARS

AUG

MONTH

22

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	12.5	13.5	1.9									28.4	4.0
NNE		1.9	.6									2.6	4.8
NE													
ENE													
E	1.3											1.3	1.5
ESE													
SE													
SSE		.6	.6									.6	4.0
S	.6	.6	3.2									4.5	6.6
SSW	.6	1.3	.6									2.6	5.5
SW		.6										.6	6.0
WSW	1.3	.6										1.9	2.7
W	1.9	1.3										3.2	3.2
WNW	3.2	1.9										5.2	3.3
NW	4.5	2.2	1.3									9.0	4.5
NNW	6.5	10.3	1.9									18.7	4.3
VARB													
CALM												21.3	
	32.9	36.1	9.7									100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
MOVES (U.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIE.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.4	6.0	1.5									13.0	4.2
NNE	.7	1.5	.3									2.5	4.4
NIE	.2	.2										.3	2.8
ENE		.1										.1	4.0
E	.9	.1										1.0	2.4
ESE	.3	.3										.3	3.2
SE	.3	.2										.5	2.8
SSE	.5	.7	.2									1.5	4.6
S	1.6	1.2	2.0	.2								5.1	5.6
SSW	.4	1.0	1.8	.5								3.6	7.3
SW	.6	.4	.9	.2	.1							2.2	7.4
WSW	.9	1.4	1.2	.1								3.5	5.5
W	2.1	2.5	3.1	.2								7.9	6.0
WNW	1.7	2.3	5.0	1.2								10.2	7.2
NW	2.3	4.4	7.1	2.1								15.9	7.3
NNW	3.5	5.7	5.2	.9								15.2	6.1
VARBL													
CALA												16.8	
	21.5	21.9	28.2	5.5	.1							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.0	10.0	1.3					.7				18.0	5.3
NNE	1.3	4.0	.7									6.0	4.1
NE	1.3	.7	.7									2.7	5.0
ENE													
E	2.0	1.3	.7									4.0	3.7
ESE	2.0	.7		.7								3.3	5.0
SE	.7	1.3	.7									2.7	5.3
SSE	1.3											1.3	3.0
S	2.7	2.7	1.3									6.7	4.8
SSW	.7	.7										1.3	3.0
SW	1.3	.7	.7									2.7	4.3
WSW	2.0	2.7										4.7	4.3
W	1.3	1.3										2.7	3.8
WNW	2.0	2.7										4.7	3.7
NW		4.0	.7									4.7	5.1
NNW		6.0	1.3									7.3	5.1
VARBL													
CALM												27.3	
	24.7	38.7	8.0	.7				.7				100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 93107 MIRAMAR, CALIFORNIA STATION NAME YEARS 73-77 SEP NORTH

CLASS ALL WEATHER HOURS (L.S.T.) 04

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.3	10.7	.7	.7								19.3	4.3
NNE	1.3	1.3	.7									3.3	4.2
NE	2.0			.7								2.7	6.0
ENE	.7		.7									1.3	6.0
E	3.3	1.3	.7									5.3	3.4
ESE		2.0	.7									2.7	6.5
SE	.7	.7	.7									2.0	5.0
SSE	1.3	2.7										4.0	4.0
S	2.0	.7	.7									3.3	3.8
SSW	2.7	.7										3.3	3.0
SW	.7	1.3	.7									2.7	4.5
WSW	2.7	.7	.7									4.0	3.2
W	1.3	3.3										4.7	4.3
WNW	1.3	1.3										2.7	3.0
NW	1.3	2.0										3.3	3.8
NNW	5.3	5.3										10.7	4.1
VARBL													
CALM												24.7	
	34.0	34.0	6.0	1.3								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	8.7	0.0	2.0									16.7	3.8
NNE	.7	4.0	.7									5.3	4.6
NE	2.7											2.7	2.5
ENE		.7	.7									1.3	6.5
E	5.3	3.3	.7	.7								10.0	4.3
ESE	4.0	1.3	.7									6.0	2.2
SE	1.3	1.3										2.7	3.3
SSE	2.0	.7	.7									3.3	4.0
S	3.3	4.0	1.3									8.7	4.4
SSW	.7	3.3	.7									4.7	4.7
SW	.7	1.3	.7									2.7	5.0
WSW	1.3	1.3										2.7	3.0
W	.7	.7	.7									2.0	5.0
WNW	.7	3.3										4.0	3.8
NW	1.3	2.7										4.0	3.3
NNW	2.0	4.7										6.7	4.2
VARBL													
CALM												16.7	
	35.3	38.7	8.7	.7								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	4.7	2.0									11.3	4.6
NNE		1.3										1.3	4.5
NE		.7										.7	6.0
ENE													
E				.7								.7	16.0
ESE		.7	.7									1.3	7.0
SE													
SSE	.7											.7	3.0
S		4.0	.7									4.7	5.6
SSW	.7	2.7	.7									4.0	5.2
SW	2.7	2.7	2.7									5.3	6.3
WSW	2.7	1.3	4.0									8.0	5.8
W	2.7	6.7	4.7	.7								14.7	5.6
WNW	2.0	6.7	2.7									11.3	5.4
NW	2.0	4.0	4.7	.7								11.3	5.9
NNW	1.3	10.0	3.3									14.7	5.6
VARBL													
CALM												10.0	
	16.7	45.3	26.0	2.0								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7	.7								1.3	11.0
NNE													
NE													
ENE													
E		.7										.7	4.0
ESE													
SE													
SSE													
S												.7	11.0
SSW		1.3	4.0	.7								4.0	9.0
SW			4.0	1.3								5.3	9.5
WSW			4.7									4.7	9.1
W	.7	5.3	11.3	5.3								22.7	8.9
WNW		.7	16.7	6.0								23.3	9.9
NW		1.3	11.3	10.0								22.7	10.2
NNW		2.7	6.7	3.3								12.7	9.1
VARBL													
CALM												2.0	
	.7	12.0	57.3	28.0								100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	1.3									2.7	6.0
NNE													
NE													
ENE													
E													
ESE													
SE	.7											.7	3.0
SSE													
S	.7	.7		1.3								2.7	9.0
SSW			.7	.7								1.3	12.5
SW	.7	.7	1.3	1.3								3.3	10.2
WSW	.7	3.3	1.3	.7								6.0	6.3
W		3.3	12.0	2.0								17.3	8.3
WNW	.7	6.0	11.3	3.3				.7				22.0	8.8
NW	.7	6.7	19.3	7.3								34.0	8.6
NNW		4.0	3.3	2.0	.7							10.0	9.1
VARBL													
CALM												.0	
	4.0	25.3	50.7	18.7	.7			.7				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
93107

STATION NAME
MIRAMAR, CALIFORNIA

YEARS
73-77

MONTH
SEP

CLASS
ALL WEATHER

MOUSE (L.S.T.)
19

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	11.3	6.7									22.0	5.3
NNE	.7	1.3										2.0	4.3
NE													
ENE													
E	.7											.7	3.0
ESE		.7										.7	5.0
SE													
SSE													
S	1.3	.7	1.3									3.3	5.8
SSW	.7	.7	1.3									2.7	6.0
SW		2.0	.7									2.7	6.0
WSW	2.0	3.3	.7									8.0	4.5
W	.7	6.0										6.7	4.5
WNW	2.7	3.0	4.7									15.3	5.7
NW	2.0	9.3	3.3									14.7	5.4
NNW	2.7	11.3	5.3									19.3	5.6
VARBL													
CALM												2.0	
	17.3	59.7	24.0									100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.0	12.0	2.7									20.7	4.6
NNE	2.0	4.7										6.7	4.2
NE	.7	.7										1.3	4.5
ENE		.7										.7	6.0
E	2.7											2.7	2.8
ESE		1.3	.7									2.0	5.7
SE	.7	1.3										2.0	3.3
SSE													
S	1.3	1.3	3.3									6.0	6.4
SSW	2.0	.7										2.7	3.5
SW	2.7	1.3	.7									4.7	4.0
WSW	4.0	.7	1.3									6.0	3.7
W	2.0	4.0										6.0	3.9
WNW	1.3	2.0										3.3	3.6
NW	1.3	5.3	.7									7.3	4.0
NNW	5.3	6.0	2.0									13.3	4.1
VARBL													
CALM												14.7	
	32.0	42.0	11.3									100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
MOVES (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.7	6.9	2.2	.2				.1				14.0	4.8
NNE	.7	2.1	.2									3.1	4.3
NE	.3	.2	.1	.1								1.2	4.6
ENE	.1	.2	.2									.4	6.2
E	1.7	.8	.2	.2								2.9	4.1
ESE	.8	.7	.3	.1								2.0	4.6
SE	.5	.7	.2									1.3	4.2
SSE	.7	.4	.1									1.2	3.8
S	1.4	1.7	1.1	.2								4.5	5.5
SSW	.9	1.2	.7	.2								3.0	5.6
SW	.7	1.2	1.4	.2								3.7	6.5
WSW	1.9	1.9	1.6	.1								5.5	5.1
W	1.2	3.9	3.6	1.0								9.6	6.6
WNW	1.3	3.8	4.4	1.2				.1				10.8	7.2
NW	1.1	4.4	5.0	2.2								12.7	7.5
NNW	2.1	6.2	2.7	.7	.1							11.8	5.9
VARBL													
CALM												12.7	
	20.0	36.6	24.0	6.4	.1			.2				100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0100

93107

STATION NAME
MIRAMAR, CALIFORNIA

73-77

YEARS

01

MONTH

01
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

0000

TOTAL NUMBER OF OBSERVATIONS

155

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	3.9										7.7	3.4
NNE	.6	3.2										3.9	4.7
NE	1.3	2.6										3.9	4.0
ENE	3.2	2.6										5.8	3.2
E	11.0	10.3	1.3									22.6	3.8
ESE	1.3	3.9	1.3	.6								7.1	5.5
SE	1.9	1.3	1.3									4.5	4.4
SSE	1.3	1.3										2.6	3.5
S	.6	.6										1.3	3.0
SSW	.6	.6		.6								1.9	5.7
SW	.6	1.9										2.6	3.8
WSW	.6											.6	2.0
W	.6	.6										1.3	3.0
WNW		.6		.6	.6							1.9	11.0
NW		.6	.6									1.3	6.0
NNW		3.9										3.9	4.8
VARBL													
CALM												27.1	
	27.7	38.1	4.5	1.9	.6							100.0	3.1

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.8	2.6										8.4	2.8
NNE	1.3	2.6										4.5	5.6
NE	.6	1.9		.6								2.6	4.3
ENE	2.6	3.2										5.8	3.2
E	5.8	9.0	4.5									19.4	4.8
ESE	1.9	5.8	1.9									9.7	5.1
SE	1.3		2.6									3.9	6.7
SSE	3.9	3.2										7.1	3.6
S	1.3	1.9										3.2	3.6
SSW		1.3	.6									1.9	5.3
SW	1.3	1.3										2.6	3.5
WSW	.6	.6										1.3	3.0
W													
WNW		1.3										1.3	5.5
NW													
NNW	2.6											2.6	2.0
VARBL													
CALM												25.8	
	29.0	34.8	9.7	.6								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.8	3.2	.5									9.7	3.1
NNE	1.5	2.6										4.5	3.4
NE	1.9	.6										2.6	2.8
ENE	1.9	4.5										6.5	3.4
E	4.5	10.3	6.5									21.3	5.2
ESE	1.3	4.5	1.3									7.1	5.0
SE	1.3	1.9	.6									3.9	4.3
SSE	.6	2.6	.6									3.9	4.8
S	1.9	2.6	1.9									6.5	5.5
SSW	.6		.6									.6	8.0
SW	.6		.6									1.3	5.0
WSW		.6										.6	5.0
W	1.9	.6										2.6	3.5
WNW	.6	1.3										1.9	3.3
NW	.6	.6										1.3	3.0
NNW	.6	1.3	.6									2.6	5.5
VARBL													
CALM												23.2	
	25.6	37.4	13.5									100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

OCT
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.2	.6									6.5	3.9
NNE	2.6	.6		.6								3.9	4.5
NE	.6	1.9										2.6	4.0
ENE	.6											.6	2.0
E	.6	.6										1.3	3.0
ESE	.6											.6	2.0
SE		.6										.6	6.0
SSE	.6											.6	2.0
S	.6	1.9	1.3									3.9	5.7
SSW	.6	1.9	.6									3.2	4.4
SW	3.2	2.6		.6								6.5	5.0
WSW	1.9	1.9	.6									4.5	4.0
W	2.6	3.2	2.6									8.4	5.4
WNW	2.6	6.5	4.5	1.3								14.8	6.1
NW	3.9	9.0	4.2									17.4	5.3
NNW	1.9	1.3	3.2									6.5	5.7
VARBL													
CALM												18.1	
	25.8	35.5	18.1	2.6								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

UCT
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.0	1.3								3.2	10.8
NNE													
NE			1.3									1.3	8.5
ENE	.6											.6	3.0
E													
ESE			.6									.6	7.0
SE													
SSE													
S		.6	.6									.6	4.0
SSW		.6		.6								1.9	8.3
SW	.6		3.2									3.9	7.7
WSW		1.3	1.3	1.9								4.5	8.3
W	1.3	1.3	12.9	4.5								20.0	9.1
WNW	.6	3.9	14.8	3.2								22.6	8.9
NW		3.2	11.6	7.1								21.9	9.6
NNW		2.6	11.6	4.5								18.7	9.3
VARBL												.0	
CALM													
	3.2	13.5	60.0	23.2								100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

155

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION 93107 MIRAHAIR, CALIFORNIA STATION NAME
YEARS 73-77
MONTH OCT
HOURS (L.S.T.) 16

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.6	1.3	1.9								5.8	8.2
NNE													
NE			.6									.6	9.0
ENE		.6										.6	5.0
E													
ESE													
SE													
SSE													
S													
SSW		.6	.6									1.3	7.0
SW		1.9	.6									2.6	6.5
WSW		1.9	2.6	.6								5.2	7.9
W	.6	1.3	8.4	2.6								12.9	8.6
WNW	.6	6.5	11.6	4.5	.6							23.9	8.8
NW		7.7	18.1	2.6								28.4	8.3
NNW	.6	4.5	9.0	4.5								18.7	8.7
VARBL												.0	
CALM													
	1.9	27.7	52.9	16.8								100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

OCT
MONTH

ALL WEATHER
CLASS

19

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	18.1	5.2									25.8	5.2
NNE	2.6	3.9	.6									7.1	4.2
NE	.6	1.3										1.9	3.7
ENE													
E	1.9											1.9	2.0
ESE	.6											.6	2.0
SE	.6											.6	3.0
SSE		.6										.6	4.0
S		.6	1.3									1.9	7.0
SSW		3.2										3.2	5.0
SW		.6										.6	5.0
WSW		3.2										3.2	4.8
W	1.3	2.6	1.3									5.2	4.5
WNW	3.9	3.9	1.3		.6							9.7	5.0
NW	2.6	3.2										5.8	4.0
NNW	7.1	9.0	3.2									19.4	4.5
VARB													
CALM												12.3	
	23.9	50.3	12.9		.6							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEAR

OCT
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.3	9.0	.0									15.5	4.2
NNE	2.6	3.9	.6									7.1	3.8
NE	1.9	1.9										3.9	3.2
ENE	3.9	1.3										5.2	2.9
E	7.7	5.2	2.6									15.5	4.1
ESE		.6	.6									1.3	7.0
SE		2.6										2.6	4.5
SSE	2.6	1.9										4.5	3.7
S	.6	1.9	.6									3.2	5.6
SSW		1.3										1.3	4.0
SW	.6											.6	2.0
WSW	.6											.6	2.0
W	.6	1.3	.6	.6								3.2	6.4
WNW	1.3	.6	.6	.6								3.2	5.8
NW		.6										.6	4.0
NNW	3.9	1.9										5.8	2.9
VARBL													
CALM												25.8	
	32.3	34.2	6.5	1.3								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	5.3	1.3	.4								10.3	4.7
NNE	1.3	2.1	.2	.2								3.9	4.3
NE	.9	1.3	.2									2.4	4.1
ENE	1.6	1.5										3.1	3.2
E	4.0	4.4	1.9									10.2	4.4
ESE	.7	1.9	.7	.1								3.4	5.2
SE	.6	.8	.6									2.0	5.0
SSE	1.1	1.2	.1									2.4	3.8
S	.6	1.3	.6									2.6	5.2
SSW	.2	1.2	.4	.2								1.9	5.6
SW	.9	1.0	.6	.1								2.6	5.3
WSW	.5	1.2	.6	.3								2.6	5.9
W	1.1	1.4	3.2	1.0								6.7	7.4
WNW	1.2	3.1	4.1	1.3	.2	.1						9.9	7.6
NW	.9	3.1	4.4	1.2								9.6	7.5
NNW	2.1	3.1	3.5	1.1								9.8	6.6
VARBL													
CALM												16.5	
	21.2	34.0	22.3	5.8	.2	.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	.7									2.7	5.3
NNE	1.3	2.7	.7									4.7	4.4
NE	4.0	.7	.7									5.3	3.3
ENE	3.3	3.3										6.7	3.1
E	12.7	12.0	8.0	.7								33.3	5.0
ESE	2.0	4.0	2.7	.7								9.3	5.9
SE	1.3	2.7	2.0									6.0	5.4
SSE	1.3	7.3	.7	.7								10.0	5.4
S	.7	.7	.7									2.0	5.3
SSW		.7	.7									1.3	6.0
SW													
WSW			.7									.7	7.0
W				.7								.7	13.0
WNW		.7	.7									1.3	7.0
NW	.7				.7							1.3	10.5
NNW													
VARBL													
CALM												14.7	
	28.0	36.0	18.0	2.7	.7							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

5702 SURFACE WINDS JAN 78

93107
STATION

HIRAMAK, CALIFORNIA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	.7										3.3	3.0
NNE	1.3	2.0	.7									4.0	4.2
NE		1.3	.7									2.0	6.3
ENE	3.3	4.0	.7									8.0	4.1
E	7.3	18.0	6.0	.7								32.0	5.1
ESE	4.7	3.3	6.0	.7								14.7	6.1
SE	1.3	3.3	1.3									6.0	5.7
SSE	1.3	2.7		.7								4.7	5.1
S		.7	2.0	.7								3.3	9.6
SSW	.7	.7										1.3	4.5
SW													
WSW		.7										.7	5.0
W	.7		.7									1.3	5.0
WNW				.7								.7	11.0
NW	.7	1.3										2.0	3.7
NNW	2.0											2.0	2.3
VARBL													
CALM												14.0	
	26.0	38.7	18.0	3.3								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93107 MIRAMAR, CALIFORNIA STATION NAME YEARS 73-77 NAVY NORTH
CLASS ALL WEATHER HOURS (L.S.T.) 07

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3			.7							2.7	6.8
NNE	.7	1.3										2.0	3.7
NE	2.7	1.3	.7	.7								5.3	5.0
ENE	3.3	4.0	.7									8.0	3.7
E	11.3	14.7	6.0									32.0	4.8
ESE	3.3	7.3	10.0									20.7	6.5
SE	2.7	1.3	2.0									6.0	5.0
SSE	1.3	.7	1.3									3.3	5.6
S	1.3	.7	.7									2.7	4.0
SSW		.7										.7	6.0
SW													
WSW		.7	.7									1.3	6.5
W		.7										.7	6.0
WNW	.7											.7	2.0
NW													
NNW		.7	.7									1.3	7.0
VARBL													
CALM												12.7	
	28.0	35.3	22.7	.7	.7							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	0.0	.7									10.7	4.0
NNE													
NE					.7							.7	17.0
ENE													
E	1.3		.7	.7								2.7	5.5
ESE	.7	1.3										2.0	3.3
SE	.7											.7	2.0
SSE	2.7	1.3	.7									4.7	4.3
S	5.3	4.7	1.3	.7								12.0	4.6
SSW		2.0	2.0	.7								4.7	7.1
SW	.7	2.0		.7								3.3	5.6
WSW	2.7	.7		.7	.7							4.7	6.7
W	2.0	4.7	3.3									10.0	5.7
WNW	4.0	2.7	1.3									8.0	4.2
NW	1.3	3.3		.7								5.3	5.3
NNW	2.7	2.0	4.0									8.7	5.8
VARBL													
CALM												22.0	
	28.0	30.7	14.0	4.0	1.3							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

NDV
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	1.3									2.7	6.3
NNE													
NE			.7									.7	10.0
ENE			.7									.7	10.0
E													
ESE													
SE													
SSE			.7									.7	8.0
S		.7	1.3									2.0	8.0
SSW		3.3	2.0	.7								6.0	6.7
SW		1.3	1.3	.7								3.3	8.6
WSW	.7	.7	4.7									6.0	7.9
W	2.0	10.0	10.7	4.0								26.7	7.3
WNW	2.0	2.7	8.7	2.7								16.0	7.9
NW	.7	8.0	9.3	2.7								20.7	7.5
NNW		.7	6.7	4.0								11.3	9.7
VARBL													
CALM												3.3	
	5.3	28.7	48.0	14.7								100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107

MIRANAR, CALIFORNIA

73-77

YEARS

NOV

MONTH

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	4.7	.7								7.3	7.6
NNE			.7									.7	10.0
NE				.7								.7	11.0
ENE				.7								.7	11.0
E			.7									.7	7.0
ESE													
SE													
SSE													
S	1.3	.7											
SSW		.7	3.3	.7								2.0	3.3
SW		3.3		.7								4.7	8.7
WSW	.7	2.0	2.0	1.3								4.0	6.0
W		3.3	8.0	.7								6.0	7.3
WNW	3.3	4.0	7.3	.7								12.0	7.6
NW	.7	10.7	11.3	1.3	.7							15.3	6.7
NNW	.7	10.0	7.3	1.3								24.7	7.4
VARBL												19.3	6.7
CALM												2.0	
	7.3	36.0	45.3	8.7	.7							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRANAR, CALIFORNIA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	11.3	3.3									17.3	5.2
NNE	2.7	4.0	1.3									8.0	4.5
NE	1.3	4.0										5.3	4.8
ENE	2.0	2.0										4.0	3.3
E	6.0	3.3	.7									10.0	3.5
ESE	1.3	1.3										2.7	3.3
SE		1.3										1.3	5.0
SSE		1.3										1.3	4.5
S	4.7	2.0	.7	1.3								8.7	5.2
SSW	.7	2.0										2.7	3.5
SW	1.3	2.0	.7									4.0	4.5
WSW		1.3	.7									2.0	6.3
W	.7	.7	.7	.7								2.7	6.5
WNW	.7	.7	.7	2.0								4.0	8.7
NW	.7	2.0		.7								3.3	6.4
NNW	5.3	1.3										6.7	2.6
VARBL													
CALM												16.0	
	30.0	40.7	6.7	4.7								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107

STATION NAME
MIRAMAR, CALIFORNIA

YEARS

73-77

NOV

MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0										4.0	3.2
NNE	2.7	.7	.7									4.0	3.2
NE	3.3	6.0										9.3	3.8
ENE	1.3	1.3										2.7	3.3
E	15.3	14.7	2.7									32.7	2.8
ESE	1.3	2.7	3.3									7.3	5.8
SE	1.3	1.3	1.3									4.0	4.7
SSE	3.3	1.3	.7									5.3	3.8
S	1.3	3.3	1.3									6.0	5.3
SSW		.7	.7									1.3	8.0
SW		.7										.7	6.0
WSW		1.3										1.3	4.0
W	.7	.7										1.3	4.0
WNW		1.3		1.3								2.7	10.0
NW													
NNW	.7	.7										1.3	4.5
VARBL													
CALM												16.0	
	23.3	38.7	10.7	1.3								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

HIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.2	1.3	.1	.1							6.3	5.1
NNE	1.1	1.3	.5									2.9	4.3
NE	1.4	1.7	.3	.2	.1							3.7	4.9
ENE	1.7	1.8	.2	.1								3.8	3.9
E	6.7	7.8	3.1	.2								17.9	4.6
ESE	1.7	2.5	2.7	.2								7.1	5.9
SE	.9	1.2	.8									3.0	5.1
SSE	1.2	1.8	.5	.2								3.7	4.9
S	1.8	1.7	1.0	.3								4.8	5.4
SSW	.2	1.3	1.1	.2								2.8	6.7
SW	.2	1.2	.2	.2								1.9	6.1
WSW	.5	.9	1.1	.2	.1							2.8	6.9
W	.7	2.5	2.9	.7								6.9	7.0
WNW	1.3	1.5	2.3	.9								6.1	7.0
NW	.6	3.2	2.6	.7	.2							7.2	7.1
NNW	1.4	1.9	2.3	.7								6.3	6.4
VARBL												12.6	
CALM												100.0	5.0
	23.2	35.6	23.2	5.0	.4								

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

YEARS

73-77

DEC
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.3										3.2	3.2
NNE	.6	1.9										2.6	4.0
NE	1.9	.6										2.6	2.8
ENE	5.2	7.7	1.9									14.8	4.0
E	11.0	14.2	6.4	1.3								34.8	5.2
ESE	1.9	3.9	4.5	.6								11.0	6.4
SE	1.3	1.9		.6								3.9	6.0
SSE	1.3	3.9	.6									5.8	5.0
S	2.6	1.9	1.3									5.8	4.8
SSW			.6									.6	8.0
SW													
WSW	.6											.6	3.0
W		.6										.6	4.0
WNW	.6											.6	3.0
NW		.6										.6	4.0
NNW		1.3										1.3	4.5
VARBL													
CALM												11.0	
	29.0	40.0	17.4	2.6								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3										1.9	4.0
NNE													
NE	.6	1.9										2.6	4.8
ENE	5.8	6.5	.6	.6								13.5	4.0
E	12.9	14.2	11.6	.6								39.4	5.2
ESE	3.9	4.5	9.0	.6								18.1	6.5
SE	1.9	1.3	.6	.6								4.5	5.0
SSE			1.3	1.3								2.6	9.8
S	1.3	1.9										3.2	3.4
SSW				.6								.6	11.0
SW			.6									.6	9.0
WSW													
W													
WNW		.6										.6	4.0
NW	.6	1.3										1.9	3.7
NNW													
VARBL													
CALM												10.3	
	27.7	33.5	23.9	4.5								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.6										3.2	3.6
NNE	1.3	1.9										3.2	3.6
NE													
ENE	3.9	5.2	1.9									11.0	4.6
E	9.7	18.7	10.3	1.3								40.0	5.2
ESE	1.9	9.7	7.7	1.3								20.6	6.7
SE	1.9	1.9	.6									4.5	3.7
SSE	1.3	2.6	.6									4.5	4.4
S	.6			.6	.6							1.9	11.7
SSW		.6										.6	6.0
SW	.6											.6	2.0
WSW													
W													
WNW													
NW													
NNW		.6	.6									1.3	7.0
VARBL													
CALM												8.4	
	21.9	43.9	21.9	3.2	.6							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9	.6	.6								5.2	5.3
NNE	1.3											1.3	2.0
NE		1.3		1.3								2.6	8.0
ENE	1.3			1.9								3.2	8.6
E	5.2	1.3	.6									7.1	3.3
ESE	2.6	1.3	.6									4.5	4.1
SE	1.3	1.3	.6									3.2	5.2
SSE	1.9	.6	1.3									4.5	4.4
S	5.2	5.2	1.9	.6					.6			12.9	4.8
SSW	2.6	1.9										5.2	8.3
SW	2.6	.6										3.2	3.0
WSW	2.6	1.9										4.5	3.9
W	3.2	.6										3.9	2.7
WNW	2.6	1.9	1.3									5.8	4.3
NW	.6	.6	1.3									2.6	6.3
NNW	1.3	.6	.6	.6								3.2	6.5
VARBL													
CALM												27.1	
	36.1	21.3	9.7	5.6								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	.6	.6								3.2	6.4
NNE			.6	.6								1.3	10.5
NE				.6								.6	12.0
ENE				.6								.6	11.0
E	.6		1.3		.6							3.2	10.2
ESE													
SE		.6										.6	6.0
SSE		.6										.6	5.0
S	.6	1.3	1.3									3.2	5.6
SSW	1.3	3.2	1.3	1.3	.6							7.7	7.8
SW	.6	2.6	2.6	.6								6.5	7.1
WSW		2.6	1.3	.6								5.2	6.9
W	1.3	4.5	9.0	.6								15.5	6.9
WNW	1.3	7.1	6.5	.6								15.5	6.9
NW	.6	4.5	11.0	3.9								20.0	8.6
NNW	1.3	2.6	3.9	1.3								9.0	7.3
VARBL													
CALM												7.1	
	8.4	31.0	40.6	11.0	1.3							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107

MIRAMAR, CALIFORNIA

73-77

DEC

MONTH

YEARS

STATION NAME

STATION

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.2	1.3									4.5	5.9
NNE	.6		.6									1.3	6.0
NE				.6								.6	16.0
ENE				1.3								1.3	11.5
E		.6										.6	4.0
ESE	.6											.6	3.0
SE		.6										.6	4.0
SSE													
S	.6	3.2	.6	1.3								5.8	7.7
SSW	.6		2.6									3.2	7.2
SW		2.6										2.6	4.3
WSW	1.3	1.9		.6								3.9	5.2
W		5.2	4.5									9.7	6.7
WNW	4.5	4.5	7.1	1.3								17.4	6.3
NW	2.6	11.0	11.0	1.3								25.8	6.5
NNW	.6	2.6	12.3	1.3	.6							17.4	8.4
VARBL													
CALM												4.5	
	11.6	35.5	40.0	7.7	.6							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

19
HOURS (L.R.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	6.5	4.5									15.5	4.7
NNE	3.2	9.0	.6									12.6	4.1
NE	2.6	1.9										4.5	4.0
ENE	1.3	1.3	.6									3.2	4.4
E	7.1	8.4	.6	.6								16.8	4.1
ESE	2.6	1.3	1.3									5.2	4.4
SE	.6	1.3										1.9	4.0
SSE	2.6	.6	.6									3.9	3.7
S	1.9	1.3	1.3									4.5	4.7
SSW		1.9	1.3									3.2	6.2
SW	1.3											1.3	3.0
WSW	1.3	.6										1.9	2.3
W	.6											.6	2.0
WNW			1.3									1.3	9.0
NW	.6											.6	1.0
NNW	.6	.6	.6									1.9	5.7
VARBL													
CALM												20.6	
	31.0	34.8	12.9	.6								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEAR

DEC
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9										3.2	3.8
NNE	1.3	3.2	.6									5.8	4.2
NE	1.9	1.3										3.2	3.0
ENE	3.2	2.6	.6									6.5	4.1
E	14.2	12.3	5.6	.6								32.9	4.5
ESE	1.9	1.9	2.6									6.5	5.3
SE	1.9	1.3	.6									3.9	4.0
SSE		4.5	1.9									6.5	6.0
S	1.9	3.9		.6								6.5	4.4
SSW		1.3										1.3	6.0
SW			.6									.6	8.0
WSW													
W	.6		.6									1.3	5.0
WNW	.6			.6								1.3	0.5
NW	.6	.6	1.3									2.6	6.3
NNW	.6	.6										1.3	3.0
VARBL													
CALM												16.8	
	31.0	35.5	14.6	1.2								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.5	.9	.2								5.0	4.7
NNE	1.1	2.0	.3	.1								3.5	4.3
NE	.9	.9		.3								2.1	5.1
ENE	2.6	2.9	.7	.6								6.8	4.7
E	7.5	8.7	4.9	.6	.1							21.9	5.0
ESE	1.9	2.8	3.2	.3								8.3	6.0
SE	1.1	1.3	.3	.2								2.9	4.7
SSE	.9	1.6	.9	.2								3.5	5.3
S	1.9	2.3	.8	.4	.1							5.5	5.4
SSW	.6	1.1	.7	.2	.1				.1			2.8	7.5
SW	.6	.7	.5	.1								1.9	5.3
WSW	.7	.9	.2	.2								2.0	4.9
W	.7	1.4	1.8	.1								4.0	6.1
WNW	1.2	1.8	2.0	.3								5.3	6.3
NW	.7	2.3	3.1	.6								6.8	7.0
NNW	.6	1.1	2.3	.4	.1							4.4	7.4
VARBL													
CALM												13.2	
	24.6	34.4	22.7	4.7	.3				.1			100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.8	1.3	.2	.0			.0				7.9	4.7
NNE	.8	1.3	.3	.0	.0							2.4	4.5
NE	.6	.6	.2	.1	.0							1.5	4.8
ENE	1.1	1.1	.2	.1	.0							2.5	4.3
E	3.4	4.4	2.1	.2	.0							10.1	4.9
ESE	1.2	1.8	1.1	.2								4.4	5.4
SE	.7	.8	.4	.1								2.0	4.9
SSE	1.0	1.2	.5	.1	.0							2.8	4.9
S	1.4	1.9	1.3	.4	.1	.0	.0					5.2	6.0
SSW	.7	1.3	1.0	.4	.0	.0			.0			3.5	6.7
SW	.8	1.3	1.1	.3	.0	.0						3.4	6.3
WSW	1.0	1.5	1.3	.3	.0	.0						4.2	6.1
W	1.5	2.9	3.5	1.1	.0	.0	.0					9.1	6.9
WNW	1.5	2.8	3.8	1.3	.1	.0		.0				9.7	7.3
NW	1.2	3.3	3.9	1.4	.1	.0						9.8	7.3
NNW	1.8	2.8	2.5	.6	.1							7.7	6.2
VARBL													
CALM												14.0	
	21.4	32.8	24.4	6.8	.5	.1	.0	.0	.0			100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

14607

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93107
STATION

HIRAMAR, CALIFORNIA
STATION NAME

73-77
YEARS

ALL
MONTH

INSTRUMENT
CLASS

ALL
HOURS (L.S.T.)

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE

CONDITION

ANU/QR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	6.4	.8	.1	.0			.0				12.2	4.2
NNE	1.0	1.5	.3									2.8	4.2
NE	.6	.3	.1									1.0	3.7
ENE	.4	.3										.7	2.9
E	1.2	1.2	.4									2.8	4.1
ESE	1.2	.8	.6									2.6	4.3
SE	.7	.8	.1	.1								1.8	4.3
SSE	1.5	1.6	.5	.1								3.8	4.5
S	2.2	3.4	2.2	1.0	.1		.0					8.9	6.3
SSW	1.2	1.8	1.3	.4	.0	.1						4.8	6.2
SW	1.0	1.4	.7	.2	.1							3.3	5.5
WSW	1.7	1.2	.7	.2	.1							4.0	5.2
W	1.8	2.2	1.1	.6	.1	.0						5.7	5.9
WNW	2.0	2.5	1.9	.4	.0	.0						7.0	5.7
NW	2.0	3.2	1.7	.5								7.4	5.4
NNW	3.0	3.6	1.7	.1								8.4	4.6
VARBL													
CALM												22.8	
	26.4	32.2	14.2	3.8	.4	.2	.0	.0				100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

2689

DIRNAVOCEANMET SMOS

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 1800															
≥ 1500					91.0										92.6
≥ 1200															
≥ 1000															
≥ 900															
≥ 800															
≥ 700															
≥ 600															
≥ 500										97.4					98.1
≥ 400															
≥ 300															
≥ 200															
≥ 100					95.4		96.9			98.3					100.0
≥ 0															

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
 For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
 Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
 Visibility ≥ 3 miles = 95.4%.
 Visibility ≥ 2 miles = 96.9%.
 Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with > 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

OKTAS

0
1
2
3
4
5
6
7
8 (or obscured)

TENTHS

0
1
3
4
5
6
8
9
10

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	29.7	65.2	65.6	67.1	67.7	67.7	67.7	67.7	67.7	68.4	68.4	68.4	68.4
≥ 20000	31.0	67.7	68.4	69.7	70.3	70.3	70.3	70.3	70.3	71.0	71.0	71.0	71.0
≥ 18000	31.0	67.7	68.4	69.7	70.3	70.3	70.3	70.3	70.3	71.0	71.0	71.0	71.0
≥ 16000	31.0	67.7	68.4	69.7	70.3	70.3	70.3	70.3	70.3	71.0	71.0	71.0	71.0
≥ 14000	31.0	68.4	69.0	70.3	71.0	71.0	71.0	71.0	71.0	71.6	71.6	71.6	71.6
≥ 12000	31.0	68.4	69.7	71.0	71.6	71.6	71.6	71.6	71.6	72.3	72.3	72.3	72.3
≥ 10000	31.0	69.7	71.0	72.3	72.9	72.9	72.9	72.9	72.9	73.6	73.6	73.6	73.6
≥ 9000	31.0	70.3	71.6	72.9	73.6	73.6	73.6	73.6	73.6	74.2	74.2	74.2	74.2
8000	31.6	72.9	74.2	75.5	76.1	76.1	76.1	76.1	76.1	76.8	76.8	76.8	76.8
7000	32.3	73.6	74.8	76.1	76.8	76.8	76.8	76.8	76.8	77.4	77.4	77.4	77.4
6000	32.3	74.8	76.1	77.4	78.1	78.1	78.1	78.1	78.1	78.7	78.7	78.7	78.7
5000	32.3	75.5	76.8	78.1	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4	79.4
4500	32.3	76.8	78.1	79.4	80.0	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7
4000	32.9	78.1	79.4	80.7	81.3	81.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9
3500	32.9	78.7	80.0	81.3	81.9	81.9	81.9	81.9	81.9	82.6	82.6	82.6	82.6
3000	32.9	81.9	83.2	84.5	85.2	85.2	85.2	85.2	85.2	85.8	85.8	85.8	85.8
2500	32.9	83.2	84.5	85.8	86.5	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1
2000	32.9	85.8	87.1	88.4	89.0	89.0	89.0	89.0	89.0	89.7	89.7	89.7	89.7
1800	32.9	87.1	88.4	89.7	90.3	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.0
1500	32.9	88.4	89.7	91.0	91.6	91.6	91.6	91.6	91.6	92.3	92.3	92.3	92.3
1200	32.9	88.4	89.7	91.0	91.6	91.6	91.6	91.6	91.6	92.3	92.3	92.3	92.3
1000	32.9	89.7	91.0	93.6	94.2	94.2	94.2	94.2	94.2	95.5	95.5	95.5	95.5
900	32.9	89.7	91.0	93.6	94.2	94.2	94.2	94.2	94.2	95.5	95.5	95.5	95.5
800	32.9	89.7	91.0	93.6	94.2	94.2	94.2	94.2	94.2	95.5	95.5	95.5	95.5
700	32.9	89.7	91.0	93.6	94.2	94.2	94.2	94.2	94.2	95.5	95.5	95.5	95.5
600	32.9	89.7	91.0	93.6	94.2	94.2	94.2	94.2	94.2	95.5	95.5	95.5	95.5
500	32.9	89.7	91.0	93.6	94.2	94.2	94.2	94.2	94.2	95.5	95.5	95.5	95.5
400	32.9	89.7	91.0	93.6	94.2	94.2	94.2	94.2	94.2	95.5	95.5	95.5	95.5
300	32.9	89.7	91.0	93.6	94.2	94.2	94.2	94.2	94.2	95.5	95.5	95.5	95.5
200	32.9	89.7	91.0	93.6	94.2	94.2	94.2	94.2	94.2	95.5	95.5	95.5	95.5
100	32.9	89.7	91.0	93.6	94.2	94.2	94.2	94.2	94.2	95.5	95.5	95.5	95.5
0	32.9	89.7	91.0	93.6	94.2	94.2	94.2	94.2	94.2	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

93107

STATION

MIRAMAR, CALIFORNIA

73-77

STATION NAME

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

04

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	27.7	69.7	69.7	70.3	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.6	71.6
≥ 20000	29.7	72.9	73.6	74.2	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.5	75.5
≥ 18000	29.7	72.9	73.6	74.2	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.5	75.5
≥ 16000	29.7	72.9	73.6	74.2	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.5	75.5
≥ 14000	29.7	73.6	74.2	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	76.1	76.1
≥ 12000	29.7	73.6	74.2	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	76.1	76.1
≥ 10000	30.3	75.5	76.1	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.1	78.1
≥ 9000	30.3	75.5	76.1	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.1	78.1
≥ 8000	30.3	76.1	76.8	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.7	78.7
≥ 7000	31.0	77.4	78.1	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	80.0	80.0
≥ 6000	31.0	78.1	78.7	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.7	80.7
≥ 5000	31.0	78.7	79.4	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.3	81.3
≥ 4500	31.6	79.4	80.0	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.9	81.9
≥ 4000	31.6	81.3	81.9	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.9	83.9
≥ 3500	31.6	81.9	82.6	83.2	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.5	84.5
≥ 3000	32.3	82.6	83.2	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2
≥ 2500	32.9	86.5	88.4	89.0	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.3	90.3
≥ 2000	32.9	87.7	89.7	90.3	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.3	92.3
≥ 1800	32.9	88.4	90.3	91.0	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.9	92.9
≥ 1600	32.9	89.0	91.0	91.6	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6
≥ 1500	32.9	89.0	91.0	91.6	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6
≥ 1200	32.9	90.3	92.3	92.9	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.8	94.8
≥ 1000	32.9	90.3	92.3	92.9	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.8	94.8
≥ 900	32.9	90.3	92.3	92.9	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.8	94.8
≥ 800	32.9	90.3	92.3	92.9	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.8	94.8
≥ 700	32.9	90.3	92.3	92.9	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.8	94.8
≥ 600	32.9	90.3	92.3	92.9	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.8	94.8
≥ 500	32.9	91.0	92.9	93.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.5	95.5
≥ 400	32.9	91.0	92.9	93.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.5	95.5
≥ 300	32.9	91.0	92.9	93.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.5	95.5
≥ 200	32.9	91.0	92.9	93.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.5	95.5
≥ 100	32.9	91.0	92.9	93.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.5	95.5
≥ 0	32.9	91.0	92.9	93.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEAR

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	40.0	63.2	65.2	65.2	65.2	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000	41.3	67.1	69.7	69.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3
18000	41.3	67.1	69.7	69.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3
16000	41.3	67.1	69.7	69.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3
14000	41.3	68.4	71.0	71.0	71.0	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6
12000	41.9	68.4	71.0	71.0	71.0	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6
10000	43.9	71.6	74.2	74.2	74.2	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8
9000	43.9	71.6	74.2	74.2	74.2	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8
8000	45.8	74.8	77.4	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1
7000	45.8	76.1	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
6000	45.8	76.1	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
5000	45.8	76.1	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
4500	45.8	76.8	79.4	79.4	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0
4000	46.5	78.1	80.7	80.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3
3500	46.5	80.0	82.6	82.6	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2
3000	47.1	81.9	84.5	85.2	85.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8
2500	48.4	85.2	87.7	88.4	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0
2000	48.4	86.5	89.7	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
1800	48.4	86.5	89.7	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
1500	49.0	89.7	92.9	93.6	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2
1200	49.0	89.7	92.9	93.6	93.6	93.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1000	49.0	90.3	93.6	94.2	94.2	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
900	49.0	90.3	93.6	94.8	94.8	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
800	49.0	90.3	93.6	94.8	94.8	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
700	49.0	90.3	93.6	94.8	94.8	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
600	49.0	90.3	93.6	94.8	94.8	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
500	49.0	90.3	93.6	94.8	94.8	94.8	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
400	49.0	90.3	93.6	94.8	94.8	94.8	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
300	49.0	90.3	93.6	94.8	94.8	94.8	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
200	49.0	90.3	93.6	94.8	94.8	94.8	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
100	49.0	90.3	93.6	94.8	94.8	94.8	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0	49.0	90.3	93.6	94.8	94.8	94.8	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	43.9	62.6	63.2	63.2	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 20000	47.7	71.0	71.6	71.6	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 18000	48.4	71.6	72.3	72.3	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 16000	48.4	71.6	72.3	72.3	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 14000	49.0	72.9	73.6	73.6	74.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 12000	49.0	74.2	74.8	74.8	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 10000	49.7	74.8	75.5	75.5	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 9000	49.7	74.8	75.5	75.5	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 8000	51.0	76.8	77.4	77.4	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 7000	51.0	76.8	77.4	77.4	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 6000	51.0	77.4	78.1	78.1	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000	51.0	78.7	80.0	80.0	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500	51.6	80.7	81.9	81.9	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4000	52.3	81.9	83.2	83.2	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500	52.9	82.6	83.9	83.9	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	53.6	85.8	87.1	87.1	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500	54.2	89.0	90.3	90.3	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	54.8	91.0	92.3	92.3	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	54.8	91.0	92.3	92.3	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500	54.8	92.3	93.6	93.6	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	54.8	92.3	93.6	93.6	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	54.8	92.3	93.6	93.6	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	54.8	92.3	93.6	93.6	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	54.8	92.3	93.6	93.6	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	54.8	92.3	93.6	93.6	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	54.8	92.3	94.2	94.2	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	54.8	92.9	94.2	94.2	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	54.8	92.9	94.2	94.2	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	54.8	92.9	94.2	94.2	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	54.8	92.9	94.2	94.2	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	54.8	92.9	94.2	94.2	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	54.8	92.9	94.2	94.2	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATIONMIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING	37.4	58.1	59.4	59.4	60.0	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	39.4	65.2	67.7	69.0	70.3	70.3	71.0	71.6	71.6	71.6	71.6	71.6	71.6
18000	39.4	65.8	68.4	69.7	71.0	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3
16000	39.4	65.8	68.4	69.7	71.0	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3
14000	40.0	67.1	69.7	71.0	72.3	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6
12000	40.7	67.7	70.3	71.6	72.9	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2
10000	43.2	71.0	73.6	74.8	76.1	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4
9000	43.2	71.0	73.6	74.8	76.1	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4
8000	43.2	71.6	74.2	75.5	76.8	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1
7000	43.2	71.6	74.2	75.5	76.8	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1
6000	43.2	71.6	74.2	75.5	76.8	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1
5000	43.2	72.3	76.1	77.4	78.7	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
4500	43.9	72.9	76.8	78.1	79.4	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7
4000	45.2	74.2	78.1	79.4	80.7	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9
3500	47.1	76.8	80.7	81.9	83.2	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5
3000	49.7	81.3	85.2	86.5	87.7	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
2500	51.6	84.5	88.4	89.7	91.0	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
2000	52.9	87.1	91.0	92.3	94.2	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1800	52.9	87.1	91.0	92.3	94.2	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1500	52.9	88.4	92.3	94.2	95.5	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1200	52.9	88.4	92.3	94.2	95.5	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1000	52.9	88.4	92.3	94.2	95.5	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4
900	52.9	88.4	92.3	94.2	95.5	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4
800	52.9	88.4	92.3	94.2	95.5	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4
700	52.9	88.4	92.3	94.2	95.5	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4
600	52.9	88.4	92.3	94.2	95.5	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4
500	52.9	88.4	92.3	94.2	95.5	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4
400	52.9	88.4	92.3	94.2	95.5	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4
300	52.9	88.4	92.3	94.2	95.5	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4
200	52.9	88.4	92.3	94.2	95.5	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4
100	52.9	88.4	92.3	94.2	95.5	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0	52.9	88.4	92.3	94.2	95.5	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	34.2	61.3	63.2	65.2	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000	36.8	68.4	70.3	72.3	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 18000	36.8	68.4	70.3	72.3	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 16000	36.8	68.4	70.3	72.3	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 14000	37.4	69.7	71.6	73.6	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 12000	37.4	70.3	72.3	74.2	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 10000	39.4	74.2	76.1	78.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 9000	40.0	74.8	77.4	79.4	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000	41.3	76.8	79.4	81.3	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 7000	41.3	76.8	79.4	81.3	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 6000	41.3	78.1	80.7	82.6	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 5000	41.9	78.7	81.3	83.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500	41.9	79.4	81.9	83.9	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000	41.9	79.4	81.9	83.9	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500	42.6	81.3	83.9	85.8	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3000	42.6	81.9	84.5	86.5	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	43.2	85.2	87.7	89.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	43.2	87.1	90.3	92.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1800	43.2	87.1	91.6	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500	43.2	87.1	91.6	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	43.2	87.1	91.6	95.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	43.2	87.7	92.3	96.1	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	43.2	87.7	92.3	96.1	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	43.2	87.7	92.3	96.1	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	43.2	87.7	92.3	96.1	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	43.2	87.7	92.3	96.1	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	43.2	87.7	92.3	96.1	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	43.2	87.7	92.3	96.1	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	43.2	87.7	92.3	96.1	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	43.2	87.7	92.3	96.1	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	43.2	87.7	92.3	96.1	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	43.2	87.7	92.3	96.1	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107

MIRAMAR, CALIFORNIA

73-77

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	32.9	66.5	67.7	69.0	69.0	69.0	71.0	71.6	71.6	72.3	72.3	72.3	72.3	72.9	72.9
≥ 20000	33.6	68.4	70.3	71.6	71.6	71.6	73.6	74.2	74.2	74.8	74.8	74.8	74.8	75.5	75.5
≥ 18000	33.6	68.4	70.3	71.6	71.6	71.6	73.6	74.2	74.2	74.8	74.8	74.8	74.8	75.5	75.5
≥ 16000	33.6	68.4	70.3	71.6	71.6	71.6	73.6	74.2	74.2	74.8	74.8	74.8	74.8	75.5	75.5
≥ 14000	33.6	70.3	72.3	73.6	73.6	73.6	75.5	76.1	76.1	76.8	76.8	76.8	76.8	77.4	77.4
≥ 12000	33.6	71.0	72.9	74.2	74.2	74.2	76.1	76.8	76.8	77.4	77.4	77.4	77.4	78.1	78.1
≥ 10000	34.2	72.3	74.2	75.5	75.5	75.5	77.4	78.1	78.1	78.7	78.7	78.7	78.7	79.4	79.4
≥ 9000	34.2	72.9	74.8	76.1	76.1	76.1	78.1	78.7	78.7	79.4	79.4	79.4	79.4	80.0	80.0
≥ 8000	35.5	74.2	76.1	77.4	77.4	77.4	79.4	80.0	80.0	80.7	80.7	80.7	80.7	81.3	81.3
≥ 7000	35.5	74.8	76.8	78.1	78.1	78.1	80.0	80.7	80.7	81.3	81.3	81.3	81.3	81.9	81.9
≥ 6000	35.5	76.8	78.7	80.0	80.0	80.0	81.9	82.6	82.6	83.2	83.2	83.2	83.2	83.9	83.9
≥ 5000	35.5	76.8	78.7	80.0	80.0	80.0	81.9	82.6	82.6	83.2	83.2	83.2	83.2	83.9	83.9
≥ 4500	35.5	76.8	78.7	80.0	80.0	80.0	81.9	82.6	82.6	83.2	83.2	83.2	83.2	83.9	83.9
≥ 4000	35.5	77.4	79.4	80.7	80.7	80.7	81.3	82.6	82.6	83.2	83.2	83.2	83.2	84.5	84.5
≥ 3500	35.5	77.4	79.4	80.7	80.7	80.7	81.3	82.6	82.6	83.2	83.2	83.2	83.2	84.5	84.5
≥ 3000	35.5	79.4	81.3	82.6	82.6	82.6	83.2	84.5	84.5	85.8	85.8	85.8	85.8	86.5	86.5
≥ 2500	36.1	81.9	83.9	85.2	85.2	85.2	87.1	87.7	87.7	88.4	88.4	88.4	88.4	89.0	89.0
≥ 2000	36.1	83.2	85.2	86.5	86.5	86.5	87.1	88.4	88.4	89.0	89.0	89.0	89.0	90.3	90.3
≥ 1800	36.1	83.2	85.2	86.5	86.5	86.5	87.1	88.4	88.4	89.0	89.0	89.0	89.0	90.3	90.3
≥ 1500	36.8	85.2	87.7	89.0	89.0	89.0	89.7	91.0	91.6	92.3	92.3	92.3	92.3	92.9	92.9
≥ 1200	36.8	85.2	87.7	89.0	89.0	89.0	89.7	91.0	91.6	92.3	92.3	92.3	92.3	92.9	92.9
≥ 1000	36.8	87.1	90.3	91.6	91.6	91.6	92.3	93.6	94.2	94.8	94.8	94.8	94.8	95.5	95.5
≥ 900	36.8	87.1	90.3	91.6	91.6	91.6	92.3	93.6	94.2	94.8	94.8	94.8	94.8	95.5	95.5
≥ 800	36.8	87.1	90.3	91.6	91.6	91.6	92.3	93.6	94.2	94.8	94.8	94.8	94.8	95.5	95.5
≥ 700	36.8	87.1	91.0	92.3	92.3	92.3	93.6	94.8	95.5	96.1	96.1	96.1	96.1	96.8	96.8
≥ 600	36.8	87.1	91.0	92.3	92.3	92.3	93.6	94.8	95.5	96.1	96.1	96.1	96.1	96.8	96.8
≥ 500	36.8	87.7	92.3	93.6	93.6	93.6	94.8	96.1	96.1	96.8	96.8	96.8	96.8	97.4	97.4
≥ 400	36.8	87.7	92.3	93.6	93.6	93.6	94.8	96.1	96.1	96.8	96.8	96.8	96.8	97.4	97.4
≥ 300	36.8	87.7	92.3	93.6	93.6	93.6	94.8	96.1	96.1	96.8	96.8	96.8	96.8	97.4	97.4
≥ 200	36.8	87.7	92.3	93.6	93.6	93.6	94.8	96.1	96.1	96.8	96.8	96.8	96.8	97.4	97.4
≥ 100	36.8	87.7	92.3	93.6	93.6	93.6	94.8	96.1	96.1	96.8	96.8	96.8	96.8	97.4	97.4
0	36.8	87.7	92.3	93.6	93.6	93.6	94.8	96.1	96.1	96.8	96.8	96.8	96.8	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

81107
101-424

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	30.3	64.5	66.5	67.7	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 20000	31.0	68.4	71.0	72.3	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 18000	31.0	68.4	71.0	72.3	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 16000	31.0	68.4	71.0	72.3	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 14000	31.0	69.0	71.0	72.9	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 12000	31.0	69.0	71.0	72.9	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 10000	31.0	69.7	72.3	73.6	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 9000	31.0	70.3	72.9	74.2	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 8000	31.0	72.3	74.8	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 7000	32.3	72.9	75.5	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 6000	32.3	72.9	76.1	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 5000	32.3	72.9	76.8	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500	32.3	72.9	76.8	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000	32.3	73.6	77.4	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	32.3	75.5	79.4	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000	32.3	78.1	81.9	83.2	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2500	32.3	79.4	83.9	85.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	32.9	81.9	86.5	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1800	33.6	82.6	87.1	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1500	33.6	83.2	87.7	89.0	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1200	33.6	84.5	89.7	91.0	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1000	33.6	85.2	90.3	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 900	33.6	85.2	91.0	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	33.6	85.2	91.0	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700	33.6	85.2	91.0	93.6	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 600	33.6	85.2	91.0	93.6	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	33.6	85.2	91.0	93.6	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	33.6	85.2	91.0	93.6	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 300	33.6	85.2	91.0	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 200	33.6	85.2	91.0	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 100	33.6	85.2	91.0	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
0	33.6	85.2	91.0	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

MIRAMAR, CALIFORNIA

73-77

YEARS

JAN
MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

ALL

CEILING (FEET)		VISIBILITY (STATUTE MILES)														
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		34.5	63.9	65.1	65.9	66.4	66.6	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.6	67.6
≥ 20000		36.3	68.6	70.3	71.3	71.9	72.2	72.7	72.8	72.8	73.0	73.0	73.0	73.0	73.2	73.2
18000	AI AI	36.4	68.8	70.5	71.5	72.0	72.3	72.9	73.0	73.0	73.2	73.2	73.2	73.2	73.4	73.4
≥ 16000	AI AI	36.4	68.8	70.5	71.5	72.0	72.3	72.9	73.0	73.0	73.2	73.2	73.2	73.2	73.4	73.4
14000	AI AI	36.7	69.9	71.6	72.6	73.2	73.5	74.0	74.1	74.1	74.3	74.3	74.3	74.5	74.5	74.5
12000	AI AI	36.8	70.3	72.1	73.1	73.6	74.0	74.5	74.6	74.6	74.8	74.8	74.8	75.0	75.0	75.0
10000	AI AI	37.8	72.3	74.1	75.1	75.7	76.0	76.5	76.6	76.6	76.8	76.8	76.8	77.0	77.0	77.0
≥ 9000	AI AI	37.9	72.7	74.5	75.5	76.1	76.4	76.9	77.0	77.0	77.2	77.2	77.2	77.4	77.4	77.4
8000	AI AI	38.8	74.4	76.3	77.3	77.8	78.2	78.7	78.8	78.8	79.0	79.0	79.0	79.2	79.2	79.2
≥ 7000	AI AI	39.0	75.0	76.9	77.8	78.4	78.7	79.3	79.4	79.4	79.5	79.5	79.5	79.8	79.8	79.8
6000	AI AI	39.0	75.7	77.7	78.6	79.2	79.5	80.1	80.2	80.2	80.3	80.3	80.3	80.6	80.6	80.6
5000	AI AI	39.1	76.2	78.5	79.4	80.0	80.3	80.9	81.0	81.0	81.1	81.1	81.1	81.4	81.4	81.4
4500	AI AI	39.4	76.9	79.2	80.2	80.7	81.1	81.6	81.7	81.7	81.9	81.9	81.9	82.1	82.1	82.1
4000	AI AI	39.8	78.0	80.2	81.2	81.8	82.1	82.7	82.7	82.7	82.9	82.9	82.9	83.2	83.2	83.2
3500	AI AI	40.2	79.3	81.5	82.5	83.1	83.4	84.0	84.0	84.0	84.2	84.2	84.2	84.4	84.4	84.4
3000	AI AI	40.7	81.6	84.0	85.0	85.6	85.9	86.5	86.5	86.5	86.7	86.7	86.7	86.9	86.9	86.9
2500	AI AI	41.5	84.4	86.9	87.9	88.5	88.8	89.4	89.4	89.4	89.6	89.6	89.6	89.8	89.8	89.8
2000	AI AI	41.8	86.3	89.0	90.2	90.9	91.2	91.9	91.9	91.9	92.1	92.1	92.1	92.3	92.3	92.3
1800	AI AI	41.9	86.6	89.3	90.8	91.5	91.8	92.4	92.5	92.5	92.7	92.7	92.7	92.9	92.9	92.9
1500	AI AI	42.0	87.9	90.9	92.3	92.9	93.2	93.9	94.0	94.0	94.1	94.1	94.1	94.4	94.4	94.4
1200	AI AI	42.0	88.1	91.1	92.7	93.3	93.7	94.4	94.4	94.4	94.6	94.6	94.6	94.8	94.8	94.8
1000	AI AI	42.0	88.9	92.1	93.8	94.5	95.0	95.7	95.8	95.8	96.0	96.0	96.0	96.2	96.2	96.2
900	AI AI	42.0	88.9	92.3	94.0	94.8	95.2	96.1	96.1	96.1	96.3	96.3	96.3	96.5	96.5	96.5
800	AI AI	42.0	88.9	92.3	94.0	94.9	95.4	96.2	96.3	96.3	96.5	96.5	96.5	96.7	96.7	96.7
700	AI AI	42.0	88.9	92.3	94.2	95.2	95.7	96.6	96.7	96.7	96.9	96.9	96.9	97.1	97.1	97.1
600	AI AI	42.0	89.0	92.4	94.3	95.3	95.9	96.8	96.9	96.9	97.1	97.1	97.1	97.3	97.3	97.3
500	AI AI	42.0	89.1	92.7	94.5	95.6	96.1	97.1	97.2	97.2	97.4	97.4	97.4	97.7	97.7	97.7
400	AI AI	42.0	89.1	92.7	94.6	95.7	96.2	97.3	97.3	97.3	97.6	97.6	97.6	97.8	97.8	97.8
300	AI AI	42.0	89.1	92.7	94.8	95.8	96.4	97.4	97.6	97.6	98.1	98.2	98.2	98.6	98.6	98.6
200	AI AI	42.0	89.1	92.7	94.8	95.8	96.4	97.4	97.7	97.7	98.2	98.5	98.5	98.8	98.8	98.8
100	AI AI	42.0	89.1	92.7	94.8	95.8	96.4	97.4	97.7	97.7	98.4	98.8	98.8	99.2	99.2	99.2
0	AI AI	42.0	89.1	92.7	94.8	95.8	96.4	97.4	97.7	97.7	98.4	98.8	98.8	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	21.3	58.2	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 20000	22.0	59.6	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 18000	22.0	59.6	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 16000	22.0	59.6	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 14000	22.0	59.6	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 12000	22.0	59.6	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 10000	22.0	61.0	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 9000	22.0	61.0	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 8000	22.0	62.4	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 7000	22.0	62.4	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 6000	22.0	62.4	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 5000	22.0	62.4	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4500	22.0	63.1	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4000	22.0	63.8	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 3500	22.7	65.3	68.1	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 3000	22.7	66.0	68.8	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 2500	22.7	68.1	70.9	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 2000	22.7	68.1	71.6	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 1800	22.7	68.1	71.6	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 1500	23.4	72.3	76.6	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1200	23.4	73.1	77.3	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1000	23.4	74.5	78.7	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 900	23.4	74.5	79.4	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 800	23.4	75.2	80.1	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 700	23.4	75.9	80.9	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 600	23.4	75.9	82.3	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 500	23.4	75.9	83.0	85.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 400	23.4	75.9	83.0	85.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 300	23.4	75.9	83.0	85.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 200	23.4	75.9	83.0	85.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 100	23.4	75.9	83.0	85.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
0	23.4	75.9	83.0	85.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATIONMIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

FEB
MONTH04
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	24.1	60.3	60.3	61.7	61.7	61.7	63.1	63.1	63.1	63.1	63.1	63.8	64.5
≥ 20000	24.8	61.0	61.0	62.4	62.4	62.4	63.8	63.8	63.8	63.8	63.8	64.5	65.3
≥ 18000	24.8	61.0	61.0	62.4	62.4	62.4	63.8	63.8	63.8	63.8	63.8	64.5	65.3
≥ 16000	24.8	61.0	61.0	62.4	62.4	62.4	63.8	63.8	63.8	63.8	63.8	64.5	65.3
≥ 14000	24.8	61.0	61.0	62.4	62.4	62.4	63.8	63.8	63.8	63.8	63.8	64.5	65.3
≥ 12000	24.8	61.0	61.0	62.4	62.4	62.4	63.8	63.8	63.8	63.8	63.8	64.5	65.3
≥ 10000	24.8	63.1	63.1	64.5	64.5	64.5	66.0	66.0	66.0	66.0	66.0	67.4	67.4
≥ 9000	24.8	63.1	63.1	64.5	64.5	64.5	66.0	66.0	66.0	66.0	66.0	67.4	67.4
≥ 8000	24.8	63.8	63.8	65.3	65.3	65.3	67.4	67.4	67.4	67.4	67.4	68.8	68.8
≥ 7000	24.8	63.8	63.8	65.3	65.3	65.3	67.4	67.4	67.4	67.4	67.4	68.8	68.8
≥ 6000	24.8	63.8	63.8	65.3	65.3	65.3	67.4	67.4	67.4	67.4	67.4	68.8	68.8
≥ 5000	24.8	63.8	63.8	65.3	65.3	65.3	67.4	67.4	67.4	67.4	67.4	68.8	68.8
≥ 4500	24.8	63.8	63.8	65.3	65.3	65.3	67.4	67.4	67.4	67.4	67.4	68.8	68.8
≥ 4000	24.8	63.8	63.8	65.3	65.3	65.3	67.4	67.4	67.4	67.4	67.4	68.8	68.8
≥ 3500	24.8	65.3	65.3	66.7	67.4	67.4	68.8	68.8	68.8	68.8	68.8	70.2	70.2
≥ 3000	25.5	69.5	69.5	70.9	71.6	71.6	73.1	73.1	73.1	73.1	73.1	74.5	74.5
≥ 2500	25.5	70.2	70.2	71.6	72.3	72.3	73.8	73.8	73.8	73.8	73.8	75.2	75.2
≥ 2000	25.5	72.3	72.3	74.5	75.9	75.9	77.3	77.3	77.3	77.3	77.3	78.7	78.7
≥ 1800	25.5	73.8	73.8	75.9	77.3	77.3	78.7	78.7	78.7	78.7	78.7	80.1	80.1
≥ 1500	25.5	75.2	75.9	78.0	79.4	79.4	80.9	80.9	80.9	80.9	80.9	82.3	82.3
≥ 1200	25.5	75.2	76.6	78.7	80.1	80.1	81.6	81.6	81.6	81.6	81.6	83.0	83.0
≥ 1000	25.5	76.6	78.0	81.6	83.0	83.0	84.4	84.4	84.4	84.4	84.4	85.8	85.8
≥ 900	25.5	77.3	78.7	82.3	83.7	83.7	85.1	85.1	85.1	85.1	85.1	86.5	86.5
≥ 800	25.5	77.3	78.7	82.3	83.7	83.7	85.1	85.1	85.1	85.1	85.1	86.5	86.5
≥ 700	25.5	77.3	79.4	83.7	85.8	85.8	87.2	87.2	87.2	87.2	87.2	88.7	88.7
≥ 600	25.5	77.3	80.1	84.4	86.5	86.5	87.9	87.9	87.9	87.9	87.9	89.4	89.4
≥ 500	25.5	78.0	81.6	85.8	87.9	87.9	89.4	89.4	89.4	89.4	89.4	90.8	90.8
≥ 400	25.5	78.0	81.6	85.8	88.7	88.7	90.1	90.1	90.1	90.1	90.1	91.5	91.5
≥ 300	25.5	78.0	81.6	85.8	89.4	89.4	90.8	90.8	90.8	90.8	90.8	92.9	92.9
≥ 200	25.5	78.0	81.6	85.8	89.4	89.4	90.8	90.8	90.8	90.8	90.8	92.9	92.9
≥ 100	25.5	78.0	81.6	85.8	90.1	90.1	91.5	91.5	91.5	91.5	91.5	93.6	93.6
≥ 0	25.5	78.0	81.6	85.8	90.1	90.1	91.5	91.5	91.5	91.5	91.5	93.6	93.6

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	31.2	50.4	51.1	53.2	53.9	53.9	54.6	55.3	55.3	55.3	55.3	55.3
≥ 20000	32.6	53.2	53.9	56.0	56.7	56.7	57.5	58.2	58.2	58.2	58.2	58.9
≥ 18000	32.6	53.2	53.9	56.0	56.7	56.7	57.5	58.2	58.2	58.2	58.2	58.9
≥ 16000	32.6	53.2	53.9	56.0	56.7	56.7	57.5	58.2	58.2	58.2	58.2	58.9
≥ 14000	33.3	53.9	54.6	56.7	57.5	57.5	58.2	58.9	58.9	58.9	58.9	59.6
≥ 12000	33.3	54.6	55.3	57.5	58.2	58.2	58.9	59.6	59.6	59.6	59.6	60.3
≥ 10000	34.8	57.5	58.2	60.3	61.0	61.0	61.7	62.4	62.4	62.4	62.4	63.1
≥ 9000	35.5	58.2	58.9	61.0	61.7	61.7	62.4	63.1	63.1	63.1	63.1	63.8
≥ 8000	36.9	59.6	60.3	62.4	63.1	63.1	63.8	64.5	64.5	64.5	64.5	65.3
≥ 7000	36.9	59.6	60.3	62.4	63.1	63.1	63.8	64.5	64.5	64.5	64.5	65.3
≥ 6000	36.9	59.6	60.3	62.4	63.1	63.1	63.8	64.5	64.5	64.5	64.5	65.3
≥ 5000	37.6	61.7	62.4	64.5	65.3	65.3	66.0	66.7	66.7	66.7	66.7	67.4
≥ 4500	37.6	62.4	63.1	65.3	66.0	66.0	66.7	67.4	67.4	67.4	67.4	68.1
≥ 4000	38.3	63.8	64.5	66.7	67.4	67.4	68.1	68.8	68.8	68.8	68.8	69.5
≥ 3500	38.3	63.8	64.5	66.7	67.4	67.4	68.1	68.8	68.8	68.8	68.8	69.5
≥ 3000	39.0	66.0	66.7	68.8	69.5	69.5	70.2	70.9	70.9	70.9	70.9	71.6
≥ 2500	39.0	70.2	71.6	73.8	74.5	74.5	75.2	75.9	75.9	75.9	75.9	76.6
≥ 2000	39.0	70.9	72.3	75.9	76.6	76.6	77.3	78.7	78.7	78.7	78.7	79.4
≥ 1800	39.7	71.6	73.1	76.6	77.3	77.3	78.0	79.4	79.4	79.4	79.4	80.1
≥ 1500	39.7	73.1	74.5	78.0	78.7	79.4	80.1	81.6	81.6	81.6	81.6	82.3
≥ 1200	39.7	73.8	75.2	78.7	80.1	80.9	81.6	83.0	83.0	83.0	83.0	83.7
≥ 1000	39.7	73.8	75.9	80.1	82.3	83.0	83.7	85.1	85.1	85.1	85.1	85.8
≥ 900	39.7	74.5	76.6	80.9	83.0	83.7	84.4	85.8	85.8	85.8	85.8	86.5
≥ 800	39.7	74.5	76.6	81.6	83.7	84.4	85.1	86.5	86.5	86.5	86.5	87.2
≥ 700	39.7	74.5	76.6	81.6	83.7	84.4	85.1	86.5	86.5	86.5	86.5	87.2
≥ 600	39.7	74.5	76.6	81.6	83.7	84.4	85.1	86.5	86.5	86.5	86.5	87.2
≥ 500	39.7	75.2	77.3	82.3	84.4	85.1	85.8	87.2	87.2	87.2	87.2	87.9
≥ 400	39.7	75.2	77.3	83.0	85.8	86.5	87.2	88.7	88.7	88.7	88.7	89.4
≥ 300	39.7	75.2	77.3	83.0	85.8	86.5	87.2	88.7	88.7	88.7	88.7	89.4
≥ 200	39.7	75.2	77.3	83.0	85.8	86.5	87.2	88.7	88.7	88.7	88.7	89.4
≥ 100	39.7	75.2	77.3	83.0	85.8	86.5	87.2	88.7	88.7	88.7	88.7	89.4
≥ 0	39.7	75.2	77.3	83.0	85.8	86.5	87.2	88.7	88.7	88.7	88.7	89.4

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATIONMIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

FEB
MONTH

10

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)		VISIBILITY (STATUTE MILES)														
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		33.3	51.8	53.9	56.7	59.6	59.6	60.3	60.3	60.3	61.7	61.7	61.7	61.7	61.7	61.7
≥ 20000		35.5	56.7	58.9	61.7	64.5	64.5	65.3	65.3	65.3	66.7	66.7	66.7	66.7	66.7	66.7
18000		36.2	57.5	59.6	62.4	65.3	65.3	66.0	66.0	66.0	67.4	67.4	67.4	67.4	67.4	67.4
16000		36.2	57.5	59.6	62.4	65.3	65.3	66.0	66.0	66.0	67.4	67.4	67.4	67.4	67.4	67.4
14000		36.9	58.2	60.3	63.1	66.0	66.0	66.7	66.7	66.7	68.1	68.1	68.1	68.1	68.1	68.1
12000		36.9	58.9	61.0	64.5	67.4	68.1	68.8	68.8	68.8	70.2	70.2	70.2	70.2	70.2	70.2
10000		36.9	60.3	62.4	66.0	68.8	69.5	70.2	70.2	70.2	71.6	71.6	71.6	71.6	71.6	71.6
9000		36.9	60.3	62.4	66.0	68.8	69.5	70.2	70.2	70.2	71.6	71.6	71.6	71.6	71.6	71.6
8000		37.6	61.0	63.1	66.7	69.5	70.2	70.9	70.9	70.9	72.3	72.3	72.3	72.3	72.3	72.3
7000		37.6	61.0	63.1	66.7	69.5	70.2	70.9	70.9	70.9	72.3	72.3	72.3	72.3	72.3	72.3
6000		37.6	61.7	63.8	67.4	70.2	70.9	71.6	71.6	71.6	73.1	73.1	73.1	73.1	73.1	73.1
5000		37.6	61.7	63.8	67.4	70.2	70.9	71.6	71.6	71.6	73.1	73.1	73.1	73.1	73.1	73.1
4500		37.6	61.7	63.8	67.4	70.2	70.9	71.6	71.6	71.6	73.1	73.1	73.1	73.1	73.1	73.1
4000		39.0	64.5	66.7	70.2	73.1	73.8	74.5	74.5	74.5	75.9	75.9	75.9	75.9	75.9	75.9
3500		39.0	65.3	67.4	70.9	73.8	74.5	75.2	75.2	75.2	76.6	76.6	76.6	76.6	76.6	76.6
3000		39.0	67.4	69.5	73.1	75.9	76.6	77.3	77.3	77.3	78.7	78.7	78.7	78.7	78.7	78.7
2500		40.4	70.2	72.3	76.6	80.1	80.9	81.6	81.6	81.6	83.0	83.0	83.0	83.0	83.0	83.0
2000		41.1	71.6	73.8	78.0	81.6	82.3	83.0	83.0	83.0	84.4	84.4	84.4	84.4	84.4	84.4
1800		41.1	71.6	73.8	78.0	81.6	82.3	83.0	83.0	83.0	84.4	84.4	84.4	84.4	84.4	84.4
1500		41.1	74.5	76.6	81.6	86.5	87.7	89.4	89.4	89.4	90.8	90.8	90.8	90.8	90.8	90.8
1200		41.1	74.5	77.3	82.3	87.2	89.4	90.1	90.1	90.8	92.2	92.2	92.2	92.2	92.2	92.2
1000		41.1	76.6	79.4	84.4	90.1	92.2	93.6	93.6	94.3	95.7	95.7	95.7	95.7	95.7	95.7
900		41.1	76.6	80.1	85.1	90.8	92.9	94.3	94.3	95.0	96.5	96.5	96.5	96.5	96.5	96.5
800		41.1	77.3	80.9	85.8	92.2	94.3	95.7	95.7	96.5	97.9	97.9	97.9	97.9	97.9	97.9
700		41.1	78.0	81.6	86.5	92.9	95.0	97.2	97.2	97.9	99.3	99.3	99.3	99.3	99.3	99.3
600		41.1	78.0	81.6	86.5	92.9	95.0	97.2	97.2	97.9	99.3	99.3	99.3	99.3	99.3	99.3
500		41.1	78.0	81.6	86.5	92.9	95.0	97.9	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0
400		41.1	78.0	81.6	86.5	92.9	95.0	97.9	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0
300		41.1	78.0	81.6	86.5	92.9	95.0	97.9	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0
200		41.1	78.0	81.6	86.5	92.9	95.0	97.9	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0
100		41.1	78.0	81.6	86.5	92.9	95.0	97.9	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0
0		41.1	78.0	81.6	86.5	92.9	95.0	97.9	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

FEB
MONTH

13

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	31.2	55.3	57.5	60.3	62.4	62.4	63.1	63.1	63.1	63.1	63.1	63.1
≥ 20000	34.0	61.7	63.8	66.7	69.5	69.5	70.9	71.6	71.6	71.6	71.6	71.6
≥ 18000	34.0	61.7	63.8	66.7	69.5	69.5	70.9	71.6	71.6	71.6	71.6	71.6
≥ 16000	34.0	61.7	63.8	66.7	69.5	69.5	70.9	71.6	71.6	71.6	71.6	71.6
≥ 14000	34.0	61.7	63.8	66.7	69.5	69.5	70.9	71.6	71.6	71.6	71.6	71.6
≥ 12000	34.8	63.1	65.3	68.1	71.6	71.6	73.1	73.8	73.8	73.8	73.8	73.8
≥ 10000	35.5	63.8	66.0	68.8	72.3	72.3	73.8	74.5	74.5	74.5	74.5	74.5
≥ 9000	35.5	63.8	66.0	68.8	72.3	72.3	73.8	74.5	74.5	74.5	74.5	74.5
≥ 8000	35.5	63.8	66.0	69.5	73.1	73.1	74.5	75.2	75.2	75.2	75.2	75.2
≥ 7000	35.5	63.8	66.0	69.5	73.1	73.1	74.5	75.2	75.2	75.2	75.2	75.2
≥ 6000	35.5	63.8	66.0	70.2	73.8	73.8	75.2	75.9	75.9	75.9	75.9	75.9
≥ 5000	35.5	63.8	66.0	70.2	73.8	73.8	75.2	75.9	75.9	75.9	75.9	75.9
≥ 4500	35.5	63.8	66.0	70.2	73.8	73.8	75.2	75.9	75.9	75.9	75.9	75.9
≥ 4000	36.2	65.3	67.4	71.6	75.2	75.2	76.6	77.3	77.3	77.3	77.3	77.3
≥ 3500	36.9	68.8	70.9	75.2	78.7	78.7	80.1	80.9	80.9	80.9	80.9	80.9
≥ 3000	37.6	72.3	74.5	78.7	82.3	82.3	83.7	84.4	84.4	84.4	84.4	84.4
≥ 2500	38.3	75.2	78.0	83.0	86.5	86.5	87.9	88.7	88.7	88.7	88.7	88.7
≥ 2000	39.0	78.0	80.9	85.8	89.4	89.4	90.8	91.5	91.5	91.5	91.5	91.5
≥ 1800	39.0	78.0	80.9	85.8	89.4	89.4	90.8	91.5	91.5	91.5	91.5	91.5
≥ 1500	39.7	81.6	84.4	89.4	92.9	92.9	94.3	95.0	95.0	95.0	95.0	95.0
≥ 1200	39.7	82.3	85.1	90.1	94.3	94.3	95.7	96.5	96.5	96.5	96.5	96.5
≥ 1000	39.7	83.0	85.8	90.8	95.0	95.0	96.5	97.2	97.2	97.2	97.2	97.2
≥ 900	39.7	83.7	86.5	91.5	95.7	95.7	97.2	97.9	97.9	97.9	97.9	97.9
≥ 800	39.7	84.4	87.2	92.2	96.5	96.5	97.9	98.6	98.6	98.6	98.6	98.6
≥ 700	39.7	84.4	87.2	92.2	96.5	96.5	97.9	98.6	98.6	98.6	98.6	98.6
≥ 600	39.7	84.4	87.2	92.2	96.5	96.5	97.9	98.6	98.6	98.6	98.6	98.6
≥ 500	39.7	84.4	87.2	92.2	96.5	96.5	97.9	98.6	98.6	98.6	98.6	98.6
≥ 400	39.7	84.4	87.2	92.2	96.5	96.5	97.9	98.6	98.6	98.6	98.6	98.6
≥ 300	39.7	84.4	87.2	92.2	96.5	96.5	97.9	98.6	98.6	98.6	98.6	98.6
≥ 200	39.7	84.4	87.2	92.2	96.5	96.5	97.9	98.6	98.6	98.6	98.6	98.6
≥ 100	39.7	84.4	87.2	92.2	96.5	96.5	97.9	98.6	98.6	98.6	98.6	98.6
≥ 0	39.7	84.4	87.2	92.2	96.5	96.5	97.9	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 141

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

FEB
MONTH

16
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	29.8	51.1	53.9	55.3	56.7	57.5	58.9	59.6	59.6	59.6	59.6	60.3	60.3
≥ 20000	32.6	58.9	61.7	63.1	65.3	66.7	68.1	68.8	68.8	68.8	68.8	69.5	69.5
≥ 18000	32.6	59.6	62.4	64.5	66.7	68.1	69.5	70.2	70.2	70.2	70.2	70.9	70.9
≥ 16000	32.6	59.6	62.4	64.5	66.7	68.1	69.5	70.2	70.2	70.2	70.2	70.9	70.9
≥ 14000	32.6	59.6	62.4	64.5	66.7	68.1	69.5	70.2	70.2	70.2	70.2	70.9	70.9
≥ 12000	32.6	60.3	63.1	66.0	68.1	69.5	70.9	71.6	71.6	71.6	71.6	72.3	72.3
≥ 10000	32.6	62.4	65.3	68.1	70.2	71.6	73.1	73.8	73.8	73.8	73.8	74.5	74.5
≥ 9000	33.3	63.1	66.0	68.8	70.9	72.3	73.8	74.5	74.5	74.5	74.5	75.2	75.2
≥ 8000	34.0	63.8	66.7	69.5	71.6	73.1	74.5	75.2	75.2	75.2	75.2	75.9	75.9
≥ 7000	34.0	63.8	66.7	69.5	71.6	73.1	74.5	75.2	75.2	75.2	75.2	75.9	75.9
≥ 6000	34.0	63.8	66.7	69.5	71.6	73.1	74.5	75.2	75.2	75.2	75.2	75.9	75.9
≥ 5000	34.0	63.8	66.7	69.5	71.6	73.1	74.5	75.2	75.2	75.2	75.2	75.9	75.9
≥ 4500	34.0	64.5	67.4	70.2	72.3	73.8	75.2	75.9	75.9	75.9	75.9	76.6	76.6
≥ 4000	34.0	64.5	67.4	70.2	72.3	73.8	75.2	75.9	75.9	75.9	75.9	76.6	76.6
≥ 3500	34.0	66.0	68.8	71.6	73.8	75.2	76.6	77.3	77.3	77.3	77.3	78.0	78.0
≥ 3000	36.2	68.8	72.3	75.2	77.3	78.7	80.1	80.9	80.9	80.9	80.9	81.6	81.6
≥ 2500	36.9	72.3	75.9	78.7	80.9	82.3	83.7	84.4	84.4	84.4	84.4	85.1	85.1
≥ 2000	36.9	78.0	81.6	84.4	86.5	87.9	89.4	90.1	90.1	90.1	90.1	90.8	90.8
≥ 1800	36.9	78.7	82.3	85.1	87.2	88.7	90.1	90.8	90.8	90.8	90.8	91.5	91.5
≥ 1500	36.9	80.9	85.1	87.9	90.1	91.5	92.9	93.6	93.6	93.6	93.6	94.3	94.3
≥ 1200	36.9	81.6	85.8	88.7	90.8	92.2	93.6	94.3	94.3	94.3	94.3	95.0	95.0
≥ 1000	36.9	81.6	85.8	89.4	91.5	92.9	94.3	95.0	95.0	95.0	95.0	95.7	95.7
≥ 900	36.9	81.6	85.8	89.4	91.5	92.9	95.0	95.7	95.7	95.7	95.7	96.5	96.5
≥ 800	36.9	81.6	85.8	89.4	91.5	93.6	95.7	96.5	96.5	96.5	96.5	97.2	97.2
≥ 700	36.9	81.6	85.8	89.4	91.5	93.6	95.7	96.5	96.5	96.5	96.5	97.2	97.2
≥ 600	36.9	82.3	86.5	90.1	92.2	94.3	96.5	97.2	97.2	97.2	97.2	97.9	97.9
≥ 500	36.9	82.3	86.5	90.1	92.2	94.3	97.2	97.9	97.9	97.9	97.9	99.3	99.3
≥ 400	36.9	82.3	86.5	90.1	92.2	94.3	97.2	97.9	97.9	97.9	97.9	99.3	99.3
≥ 300	36.9	82.3	86.5	90.1	92.2	94.3	97.2	97.9	97.9	97.9	97.9	99.3	99.3
≥ 200	36.9	82.3	86.5	90.1	92.2	94.3	97.2	97.9	97.9	97.9	97.9	99.3	99.3
≥ 100	36.9	82.3	86.5	90.1	92.2	94.3	97.2	97.9	97.9	97.9	97.9	99.3	99.3
≥ 0	36.9	82.3	86.5	90.1	92.2	94.3	97.2	97.9	97.9	97.9	97.9	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	23.4	55.3	58.9	60.3	61.7	63.8	63.8	63.8	63.8	64.5	64.5	64.5	64.5
≥ 20000	24.8	58.2	61.7	63.1	64.5	66.7	66.7	66.7	66.7	67.4	67.4	67.4	67.4
≥ 18000	24.8	58.2	61.7	63.1	64.5	66.7	66.7	66.7	66.7	67.4	67.4	67.4	67.4
≥ 16000	24.8	58.2	61.7	63.1	64.5	66.7	66.7	66.7	66.7	67.4	67.4	67.4	67.4
≥ 14000	24.8	58.2	61.7	63.1	64.5	66.7	66.7	66.7	66.7	67.4	67.4	67.4	67.4
≥ 12000	24.8	59.6	63.1	64.5	66.0	68.1	68.1	68.1	68.1	68.8	68.8	68.8	68.8
≥ 10000	25.5	60.3	63.8	65.3	66.7	68.8	68.8	68.8	68.8	69.5	69.5	69.5	69.5
≥ 9000	25.5	60.3	63.8	65.3	66.7	68.8	68.8	68.8	68.8	69.5	69.5	69.5	69.5
≥ 8000	26.2	63.1	66.7	68.8	70.2	72.3	72.3	72.3	72.3	73.1	73.1	73.1	73.1
≥ 7000	26.2	63.8	67.4	69.5	70.9	73.1	73.1	73.1	73.1	73.8	73.8	73.8	73.8
≥ 6000	26.2	64.5	68.1	70.2	71.6	73.8	73.8	73.8	73.8	74.5	74.5	74.5	74.5
≥ 5000	26.2	65.3	68.8	70.9	72.3	74.5	74.5	74.5	74.5	75.2	75.2	75.2	75.2
≥ 4500	26.2	65.3	68.8	70.9	72.3	74.5	74.5	74.5	74.5	75.2	75.2	75.2	75.2
≥ 4000	27.0	66.0	69.5	71.6	73.1	75.2	75.2	75.2	75.2	75.9	75.9	75.9	75.9
≥ 3500	27.0	68.8	72.3	74.5	75.9	78.0	78.0	78.0	78.0	78.7	78.7	78.7	78.7
≥ 3000	27.0	71.6	75.2	77.3	78.7	80.9	80.9	80.9	80.9	81.6	81.6	81.6	81.6
≥ 2500	27.0	73.1	76.0	78.7	80.1	82.3	82.3	82.3	82.3	83.0	83.0	83.0	83.0
≥ 2000	27.0	75.9	79.4	81.6	83.0	85.1	85.1	85.1	85.1	85.8	85.8	85.8	85.8
≥ 1800	27.0	76.6	80.1	82.3	83.7	85.8	85.8	85.8	85.8	86.5	86.5	86.5	86.5
≥ 1500	27.0	79.4	83.0	85.1	86.5	88.7	88.7	88.7	88.7	89.4	89.4	89.4	89.4
≥ 1200	27.0	80.9	84.4	86.5	87.9	90.1	90.1	90.1	90.1	90.8	90.8	90.8	90.8
≥ 1000	27.0	81.6	85.1	87.2	88.7	90.8	90.8	90.8	90.8	91.5	91.5	91.5	91.5
≥ 900	27.0	81.6	85.1	87.2	88.7	90.8	90.8	90.8	90.8	91.5	91.5	91.5	91.5
≥ 800	27.0	81.6	85.1	87.2	88.7	90.8	90.8	90.8	90.8	91.5	91.5	91.5	91.5
≥ 700	27.0	81.6	85.1	87.2	88.7	90.8	90.8	90.8	90.8	91.5	91.5	91.5	91.5
≥ 600	27.0	81.6	85.1	87.2	88.7	90.8	90.8	90.8	90.8	91.5	91.5	91.5	91.5
≥ 500	27.0	81.6	85.1	87.2	88.7	90.8	90.8	90.8	90.8	91.5	91.5	91.5	91.5
≥ 400	27.0	81.6	85.1	87.2	88.7	90.8	90.8	90.8	90.8	91.5	91.5	91.5	91.5
≥ 300	27.0	81.6	85.1	87.2	88.7	90.8	90.8	90.8	90.8	91.5	91.5	91.5	91.5
≥ 200	27.0	81.6	85.1	87.2	88.7	90.8	90.8	90.8	90.8	91.5	91.5	91.5	91.5
≥ 100	27.0	81.6	85.1	87.2	88.7	90.8	90.8	90.8	90.8	91.5	91.5	91.5	91.5
≥ 0	27.0	81.6	85.1	87.2	88.7	90.8	90.8	90.8	90.8	91.5	91.5	91.5	91.5

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	19.9	55.3	56.7	58.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 20000	20.6	58.2	59.6	61.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 18000	20.6	58.2	59.6	61.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 16000	20.6	58.2	59.6	61.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 14000	20.6	58.2	59.6	61.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 12000	20.6	58.9	60.3	62.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 10000	20.6	58.9	60.3	62.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 9000	20.6	58.9	60.3	62.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 8000	22.0	61.7	63.1	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 7000	22.0	61.7	63.1	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 6000	22.0	62.4	63.8	66.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 5000	22.0	63.8	65.3	67.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 4500	22.0	63.8	65.3	67.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 4000	22.7	64.5	66.0	68.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 3500	22.7	65.3	66.7	68.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3000	22.7	66.7	68.1	70.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2500	23.4	69.5	71.6	73.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 2000	23.4	70.9	73.1	75.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 1800	23.4	71.6	73.8	75.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 1500	23.4	73.1	75.9	78.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1200	24.1	73.8	76.6	78.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1000	24.8	75.9	80.1	82.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 900	24.8	76.6	80.9	83.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 800	24.8	76.6	80.9	83.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 700	24.8	76.6	80.9	83.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 600	24.8	77.3	81.6	83.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 500	24.8	78.0	83.0	85.1	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 400	24.8	78.0	83.0	85.1	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 300	24.8	78.0	83.0	85.1	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 200	24.8	78.0	83.0	85.1	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 100	24.8	78.0	83.0	85.1	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
0	24.8	78.0	83.0	85.1	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4

TOTAL NUMBER OF OBSERVATIONS

141

2

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	26.8	54.7	56.7	58.4	59.7	60.0	60.6	60.8	60.8	60.8	61.1	61.1	61.3	61.4
≥ 20000	28.4	58.4	60.4	62.2	63.6	64.0	64.7	65.0	65.0	65.0	65.3	65.3	65.5	65.7
≥ 18000	28.5	58.6	60.6	62.4	63.8	64.3	65.0	65.3	65.3	65.3	65.5	65.5	65.8	66.0
≥ 16000	28.5	58.6	60.6	62.4	63.8	64.3	65.0	65.3	65.3	65.3	65.5	65.5	65.8	66.1
≥ 14000	28.6	58.8	60.7	62.6	64.0	64.5	65.2	65.4	65.4	65.4	65.7	65.7	66.0	66.3
≥ 12000	28.7	59.5	61.4	63.5	65.0	65.5	66.2	66.5	66.5	66.5	66.8	66.8	67.1	67.4
≥ 10000	29.1	60.9	62.9	64.9	66.4	66.9	67.6	67.9	67.9	68.2	68.2	68.2	68.5	68.8
≥ 9000	29.3	61.1	63.0	65.1	66.6	67.1	67.8	68.1	68.1	68.4	68.4	68.4	68.7	69.0
≥ 8000	29.9	62.4	64.4	66.6	68.2	68.7	69.4	69.7	69.7	70.0	70.0	70.0	70.2	70.6
≥ 7000	29.9	62.5	64.5	66.7	68.3	68.8	69.5	69.8	69.8	70.0	70.0	70.0	70.3	70.7
≥ 6000	29.9	62.8	64.7	67.0	68.6	69.2	69.9	70.1	70.1	70.4	70.4	70.4	70.7	71.0
≥ 5000	30.0	63.3	65.3	67.6	69.2	69.7	70.4	70.7	70.7	70.9	70.9	70.9	71.2	71.5
≥ 4500	30.0	63.6	65.5	67.8	69.4	70.0	70.7	70.9	70.9	71.2	71.2	71.2	71.5	71.8
≥ 4000	30.5	64.5	66.5	68.8	70.5	71.0	71.7	72.0	72.0	72.3	72.3	72.3	72.5	72.9
≥ 3500	30.7	66.1	68.0	70.3	72.0	72.5	73.2	73.5	73.5	73.8	73.8	73.8	74.0	74.4
≥ 3000	31.2	68.5	70.6	72.9	74.6	75.1	75.8	76.1	76.1	76.3	76.3	76.3	76.6	77.0
≥ 2500	31.7	71.1	73.4	76.0	77.8	78.3	79.0	79.3	79.3	79.5	79.5	79.5	79.8	80.1
≥ 2000	31.8	73.2	75.6	78.5	80.3	80.9	81.6	81.9	81.9	82.2	82.2	82.2	82.5	82.8
≥ 1800	31.8	73.8	76.2	79.0	80.9	81.4	82.1	82.5	82.5	82.7	82.7	82.7	83.0	83.3
≥ 1500	32.1	76.2	79.0	82.0	84.1	84.9	85.6	86.0	86.0	86.3	86.3	86.3	86.5	86.9
≥ 1200	32.2	76.9	79.8	82.8	85.1	85.9	86.6	87.0	87.1	87.1	87.3	87.3	87.6	87.9
≥ 1000	32.3	77.9	81.1	84.6	87.1	87.9	88.7	89.0	89.1	89.1	89.4	89.4	89.6	89.9
≥ 900	32.3	78.3	81.7	85.1	87.6	88.4	89.3	89.6	89.7	89.7	90.0	90.0	90.3	90.6
≥ 800	32.3	78.6	81.9	85.6	88.1	89.0	90.0	90.3	90.4	90.5	90.8	90.8	91.1	91.4
≥ 700	32.3	78.7	82.2	85.9	88.6	89.5	90.6	91.0	91.1	91.1	91.4	91.4	91.7	92.0
≥ 600	32.3	78.9	82.7	86.5	89.4	90.3	91.7	92.0	92.1	92.2	92.5	92.5	92.7	93.1
≥ 500	32.3	79.2	83.2	87.1	90.2	91.1	92.6	93.2	93.3	93.4	93.8	93.8	94.1	94.4
≥ 400	32.3	79.2	83.2	87.2	90.4	91.4	93.3	93.6	93.7	94.1	94.5	94.5	94.8	95.1
≥ 300	32.3	79.2	83.2	87.2	90.7	91.8	93.6	94.0	94.1	94.7	95.1	95.1	95.4	95.7
≥ 200	32.3	79.2	83.2	87.2	90.7	91.8	93.7	94.1	94.2	94.8	95.2	95.2	95.6	95.8
≥ 100	32.3	79.2	83.2	87.2	90.8	91.8	93.8	94.2	94.2	94.9	95.3	95.3	95.9	96.2
0	32.3	79.2	83.2	87.2	90.8	91.8	93.8	94.2	94.2	94.9	95.3	95.3	96.0	96.5
														100.0

1128

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	20.7	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	47.1	47.7	47.7	47.7	47.7
≥ 20000	23.2	51.0	51.6	52.3	52.3	52.3	52.3	52.3	52.3	53.6	54.2	54.2	54.2	54.2
≥ 18000	23.2	51.0	51.6	52.3	52.3	52.3	52.3	52.3	52.3	53.6	54.2	54.2	54.2	54.2
≥ 16000	23.2	51.0	51.6	52.3	52.3	52.3	52.3	52.3	52.3	53.6	54.2	54.2	54.2	54.2
≥ 14000	23.2	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	54.2	54.8	54.8	54.8	54.8
≥ 12000	23.2	52.3	52.3	53.6	53.6	53.6	53.6	53.6	53.6	54.8	55.5	55.5	55.5	55.5
≥ 10000	23.9	52.9	53.6	54.2	54.2	54.2	54.2	54.2	54.2	55.5	56.1	56.1	56.1	56.1
≥ 9000	23.9	52.9	53.6	54.2	54.2	54.2	54.2	54.2	54.2	55.5	56.1	56.1	56.1	56.1
≥ 8000	23.9	53.6	54.2	54.8	54.8	54.8	54.8	54.8	54.8	56.1	56.8	56.8	56.8	56.8
≥ 7000	23.9	53.6	54.2	54.8	54.8	54.8	54.8	54.8	54.8	56.1	56.8	56.8	56.8	56.8
≥ 6000	23.9	53.6	54.2	54.8	54.8	54.8	54.8	54.8	54.8	56.1	56.8	56.8	56.8	56.8
≥ 5000	23.9	54.2	54.8	55.5	55.5	55.5	55.5	55.5	55.5	56.8	57.4	57.4	57.4	57.4
≥ 4500	23.9	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.1	57.4	58.1	58.1	58.1	58.1
≥ 4000	23.9	56.1	56.8	57.4	57.4	57.4	57.4	57.4	57.4	58.1	59.4	59.4	59.4	59.4
≥ 3500	24.5	61.3	61.9	62.6	62.6	62.6	62.6	62.6	62.6	63.9	64.5	64.5	64.5	64.5
≥ 3000	24.5	65.2	65.6	66.5	66.5	66.5	66.5	66.5	66.5	67.7	68.4	68.4	68.4	68.4
≥ 2500	25.2	72.3	72.9	73.6	73.6	73.6	73.6	73.6	73.6	74.8	75.5	75.5	75.5	75.5
≥ 2000	25.8	76.8	78.1	78.7	78.7	78.7	78.7	78.7	78.7	80.0	80.7	80.7	80.7	80.7
≥ 1800	25.8	76.8	78.1	78.7	78.7	78.7	78.7	78.7	78.7	80.0	80.7	80.7	80.7	80.7
≥ 1500	25.8	80.7	82.6	83.2	83.2	83.2	83.2	83.2	83.2	84.5	85.2	85.2	85.2	85.2
≥ 1200	25.8	82.6	84.5	85.2	85.2	85.2	85.2	85.2	85.2	86.5	87.1	87.1	87.1	87.1
≥ 1000	25.8	83.9	85.8	87.7	89.0	89.0	89.0	89.0	89.0	90.3	91.0	91.0	91.0	91.0
≥ 900	25.8	83.9	85.8	87.7	89.0	89.0	89.0	89.0	89.0	90.3	91.0	91.0	91.0	91.0
≥ 800	25.8	85.2	87.1	89.0	90.3	90.3	90.3	90.3	90.3	91.6	92.3	92.3	92.3	92.3
≥ 700	25.8	85.8	87.7	90.3	92.3	92.3	92.3	92.3	92.3	93.6	94.2	94.2	94.2	94.2
≥ 600	25.8	85.8	87.7	91.0	92.9	92.9	92.9	92.9	92.9	94.2	94.8	94.8	94.8	94.8
≥ 500	25.8	85.8	88.4	91.6	93.6	93.6	93.6	93.6	93.6	95.5	96.1	96.1	96.1	96.1
≥ 400	25.8	86.5	89.0	92.3	94.2	94.2	94.2	94.2	94.2	96.1	96.8	96.8	96.8	96.8
≥ 300	25.8	86.5	89.0	92.3	94.2	94.2	94.2	94.2	94.2	96.1	96.8	96.8	96.8	96.8
≥ 200	25.8	86.5	89.0	92.3	94.2	94.2	94.2	94.2	94.2	96.1	96.8	96.8	96.8	96.8
≥ 100	25.8	86.5	89.0	92.3	94.2	94.2	94.2	94.2	94.2	96.1	96.8	96.8	96.8	96.8
≥ 0	25.8	86.5	89.0	92.3	94.2	94.2	94.2	94.2	94.2	96.1	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 153

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	20.0	46.5	47.1	47.1	47.1	47.1	47.7	47.7	47.7	48.4	48.4	48.4	48.4	48.4
≥ 20000	20.7	47.7	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7
≥ 18000	20.7	47.7	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7
≥ 16000	20.7	47.7	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7
≥ 14000	20.7	47.7	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7
≥ 12000	20.7	47.7	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7
≥ 10000	20.7	47.7	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7
≥ 9000	20.7	47.7	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7
≥ 8000	20.7	48.4	49.0	49.0	49.0	49.0	49.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3
≥ 7000	20.7	48.4	49.0	49.0	49.0	49.0	49.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3
≥ 6000	21.3	49.0	49.7	49.7	49.7	49.7	50.3	50.3	50.3	51.0	51.0	51.0	51.0	51.0
≥ 5000	21.3	49.7	50.3	50.3	50.3	50.3	51.0	51.0	51.0	51.6	51.6	51.6	51.6	51.6
≥ 4500	21.9	51.0	51.6	51.6	51.6	51.6	52.3	52.3	52.3	52.9	52.9	52.9	52.9	52.9
≥ 4000	21.9	52.3	52.9	52.9	52.9	52.9	53.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2
≥ 3500	21.9	54.8	55.5	55.5	55.5	55.5	56.1	56.1	56.1	56.8	56.8	56.8	56.8	56.8
≥ 3000	23.2	62.6	63.9	63.9	63.9	63.9	64.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2
≥ 2500	25.2	69.7	71.6	71.6	71.6	71.6	72.3	72.3	72.3	72.9	72.9	72.9	72.9	72.9
≥ 2000	25.8	74.8	76.8	76.8	76.8	76.8	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1
≥ 1800	25.8	75.5	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7
≥ 1500	25.8	78.7	81.9	81.9	81.9	81.9	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2
≥ 1200	25.8	80.7	83.9	83.9	83.9	83.9	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2
≥ 1000	25.8	83.2	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7
≥ 900	25.8	83.2	87.1	87.1	87.1	87.1	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4
≥ 800	25.8	83.2	87.7	87.7	87.7	87.7	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0
≥ 700	25.8	83.2	88.4	88.4	88.4	88.4	89.0	89.0	89.0	89.7	89.7	89.7	89.7	89.7
≥ 600	25.8	83.2	88.4	88.4	88.4	88.4	89.0	89.0	89.0	89.7	89.7	89.7	89.7	89.7
≥ 500	25.8	83.9	89.0	89.0	89.0	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3
≥ 400	25.8	83.9	89.0	89.0	89.0	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3
≥ 300	25.8	83.9	89.7	89.7	89.7	89.7	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0
≥ 200	25.8	83.9	89.7	89.7	89.7	89.7	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0
≥ 100	25.8	83.9	89.7	89.7	89.7	89.7	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0
≥ 0	25.8	83.9	89.7	89.7	89.7	89.7	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	21.9	40.7	42.6	43.9	44.3	45.2	45.2	45.2	45.2	45.8	45.8	46.5	46.5	46.5
≥ 20000	23.2	45.8	47.7	49.0	49.7	50.3	50.3	50.3	50.3	51.0	51.0	51.6	51.6	51.6
≥ 18000	23.2	46.5	48.4	49.7	50.3	51.0	51.0	51.0	51.0	51.6	51.6	52.3	52.3	52.3
≥ 16000	23.2	46.5	48.4	49.7	50.3	51.0	51.0	51.0	51.0	51.6	51.6	52.3	52.3	52.3
≥ 14000	23.2	46.5	48.4	49.7	50.3	51.0	51.0	51.0	51.0	51.6	51.6	52.3	52.3	52.3
≥ 12000	23.2	47.1	49.0	50.3	51.0	51.6	51.6	51.6	51.6	52.3	52.3	52.9	52.9	52.9
≥ 10000	23.2	47.7	49.7	51.0	51.6	52.3	52.3	52.3	52.3	52.9	52.9	53.6	53.6	53.6
≥ 9000	23.2	47.7	49.7	51.0	51.6	52.3	52.3	52.3	52.3	52.9	52.9	53.6	53.6	53.6
≥ 8000	23.9	49.0	51.0	52.9	53.6	54.2	54.2	54.2	54.2	54.8	54.8	55.5	55.5	55.5
≥ 7000	23.9	49.0	51.0	52.9	53.6	54.2	54.2	54.2	54.2	54.8	54.8	55.5	55.5	55.5
≥ 6000	23.9	49.0	51.0	52.9	53.6	54.2	54.2	54.2	54.2	54.8	54.8	55.5	55.5	55.5
≥ 5000	23.9	49.7	51.6	53.6	54.2	54.8	54.8	54.8	54.8	55.5	55.5	56.1	56.1	56.1
≥ 4500	24.5	50.3	52.3	54.2	54.8	55.5	55.5	55.5	55.5	56.1	56.1	56.8	56.8	56.8
≥ 4000	24.5	51.0	52.9	54.8	55.5	56.1	56.1	56.1	56.1	56.8	56.8	57.4	57.4	57.4
≥ 3500	25.2	53.6	56.1	58.1	58.7	59.4	59.4	59.4	59.4	60.0	60.0	60.7	60.7	60.7
≥ 3000	27.7	60.0	62.6	64.5	65.2	65.8	65.8	65.8	65.8	66.5	66.5	67.1	67.1	67.1
≥ 2500	28.4	66.5	69.0	71.0	71.6	72.3	72.3	72.3	72.3	72.9	72.9	73.6	73.6	73.6
≥ 2000	29.0	71.6	74.2	76.1	76.8	77.4	77.4	77.4	77.4	78.7	78.7	79.4	79.4	79.4
≥ 1800	29.0	72.9	76.8	78.7	79.4	80.0	80.0	80.0	80.0	81.3	81.3	81.9	81.9	81.9
≥ 1500	29.0	75.5	81.3	83.2	83.9	84.5	84.5	84.5	84.5	85.8	85.8	86.5	86.5	86.5
≥ 1200	29.0	76.1	81.9	84.5	85.2	85.8	85.8	85.8	85.8	87.1	87.1	87.7	87.7	87.7
≥ 1000	29.0	76.8	82.6	85.2	86.5	87.1	87.1	87.1	87.1	89.0	89.0	89.7	89.7	89.7
≥ 900	29.0	76.8	82.6	85.2	86.5	87.1	87.1	87.1	87.1	89.0	89.0	89.7	89.7	89.7
≥ 800	29.0	76.8	82.6	85.2	86.5	87.1	87.1	87.1	87.1	89.0	89.0	89.7	89.7	89.7
≥ 700	29.0	76.8	83.2	85.8	87.1	87.7	87.7	87.7	87.7	89.0	89.0	89.7	89.7	89.7
≥ 600	29.0	76.8	83.2	86.5	87.7	88.4	88.4	88.4	88.4	91.0	91.0	92.3	92.3	92.3
≥ 500	29.0	76.8	83.2	86.5	87.7	88.4	88.4	88.4	88.4	91.0	91.0	92.3	92.3	92.3
≥ 400	29.0	76.8	83.2	86.5	87.7	88.4	88.4	88.4	88.4	91.0	91.0	92.3	92.3	92.3
≥ 300	29.0	76.8	83.2	86.5	87.7	88.4	88.4	88.4	88.4	91.0	91.0	92.3	92.3	92.3
≥ 200	29.0	76.8	83.2	86.5	87.7	88.4	88.4	88.4	88.4	91.0	91.0	92.3	92.3	92.3
≥ 100	29.0	76.8	83.2	86.5	87.7	88.4	88.4	88.4	88.4	91.0	91.0	92.3	92.3	92.3
≥ 0	29.0	76.8	83.2	86.5	87.7	88.4	88.4	88.4	88.4	91.0	91.0	92.3	92.3	92.3

TOTAL NUMBER OF OBSERVATIONS 125

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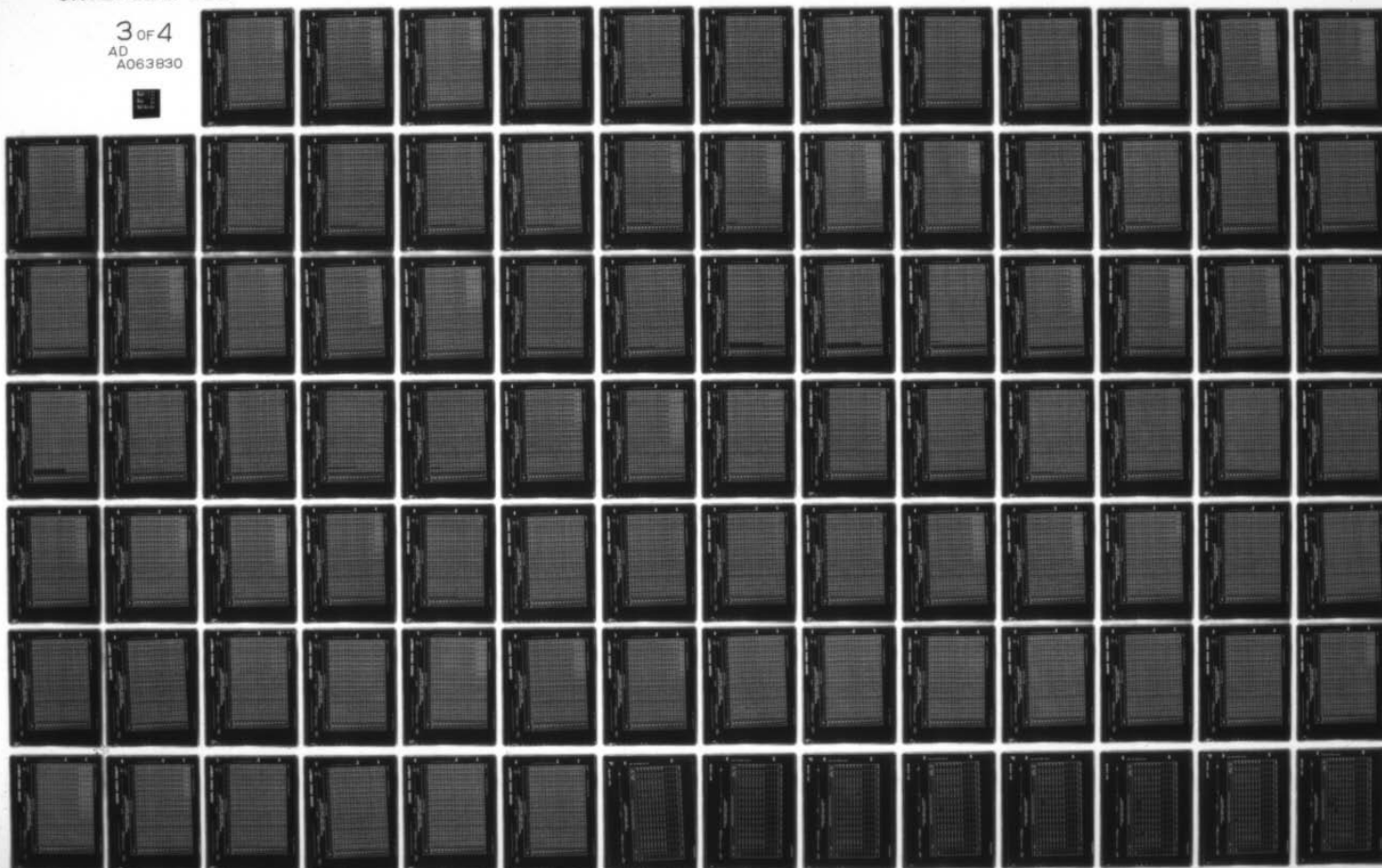
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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) MIRAMAR,--ETC(U)
JUL 78

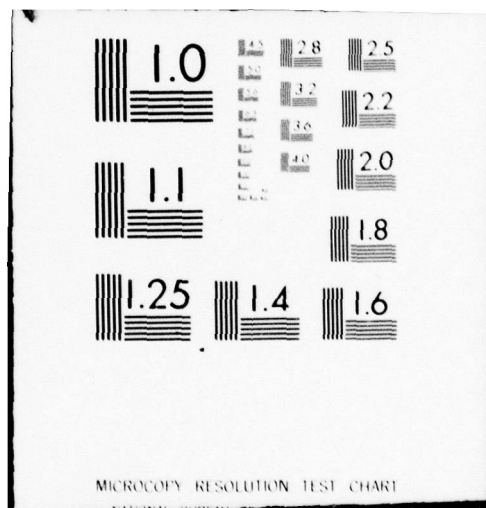
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2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	20.7	40.0	42.5	43.2	45.2	46.5	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	21.3	43.2	45.0	46.5	48.4	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000	21.3	43.2	45.8	46.5	49.0	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 16000	21.3	43.2	45.6	46.5	49.0	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 14000	21.3	43.9	46.3	47.1	49.7	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000	21.3	45.2	47.7	48.4	51.0	52.3	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	21.3	45.2	47.7	49.7	52.3	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 9000	21.9	45.8	48.4	50.3	52.9	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 8000	21.9	46.5	49.0	51.0	53.6	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 7000	22.6	47.1	49.7	51.6	54.2	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 6000	22.6	47.7	50.3	52.3	54.8	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 5000	22.6	47.7	51.0	52.9	55.5	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 4500	22.6	47.7	51.0	52.9	55.5	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 4000	22.6	47.7	51.0	52.9	55.5	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 3500	23.2	49.7	52.9	54.8	57.4	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 3000	27.7	58.7	61.9	63.9	66.5	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 2500	29.7	65.2	68.4	70.3	72.9	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 2000	31.0	72.9	77.4	79.4	83.2	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1800	31.0	74.2	78.7	80.7	84.5	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1500	31.0	80.0	85.8	87.7	91.6	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	31.0	81.3	87.1	89.0	92.9	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	31.0	82.6	88.4	90.3	94.2	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	31.0	82.6	88.4	90.3	94.2	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	31.0	83.2	89.0	91.0	94.8	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	31.0	83.2	89.0	91.0	94.8	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	31.0	83.9	89.7	92.3	96.1	97.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	31.0	83.9	89.7	92.3	96.8	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	31.0	83.9	89.7	92.3	96.8	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	31.0	83.9	89.7	92.3	96.8	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	31.0	83.9	89.7	92.3	96.8	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	31.0	83.9	89.7	92.3	96.8	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	31.0	83.9	89.7	92.3	96.8	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

TEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	20.7	45.2	46.5	48.4	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	22.6	51.6	52.3	56.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 18000	22.6	51.6	52.3	56.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 16000	22.6	51.6	52.3	56.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 14000	23.2	52.3	53.0	56.8	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000	23.2	52.9	54.2	57.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	23.2	54.2	55.5	58.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	23.2	54.2	55.5	58.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	23.2	54.2	55.5	58.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	23.9	54.8	56.1	59.4	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 6000	23.9	54.8	56.1	59.4	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 5000	23.9	55.5	56.8	60.0	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4500	24.5	56.1	57.4	60.7	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4000	25.2	56.8	58.1	61.3	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 3500	26.5	59.4	60.7	63.9	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 3000	31.0	70.3	71.6	74.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500	32.9	78.7	80.0	83.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	34.2	85.2	87.1	90.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	34.2	85.2	87.1	90.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1500	34.2	87.1	89.0	92.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200	34.2	87.1	89.0	92.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	34.2	89.0	91.0	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	34.2	89.0	91.0	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	34.2	89.0	91.0	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	34.2	89.0	91.0	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	34.2	89.0	92.3	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	34.2	89.0	92.3	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	34.2	89.0	92.3	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	34.2	89.0	92.3	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	34.2	89.0	92.3	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	34.2	89.0	92.3	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	34.2	89.0	92.3	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

MAR
MONTH

16
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	25.4	48.4	49.7	51.0	51.6	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	30.3	53.6	54.8	56.1	56.8	58.7	58.7	59.4	59.4	59.4	59.4
≥ 18000	31.0	54.2	55.5	56.8	57.4	59.4	59.4	60.0	60.0	60.0	60.0
≥ 16000	31.0	54.2	55.5	56.8	57.4	59.4	59.4	60.0	60.0	60.0	60.0
≥ 14000	31.0	54.8	56.1	57.4	58.1	60.0	60.0	60.7	60.7	60.7	60.7
≥ 12000	31.0	54.8	56.1	57.4	58.7	60.7	60.7	61.3	61.3	61.3	61.3
≥ 10000	31.0	55.5	56.8	58.1	59.4	61.3	61.3	61.9	61.9	61.9	61.9
≥ 9000	31.6	56.1	57.4	58.7	60.0	61.9	61.9	62.6	62.6	62.6	62.6
≥ 8000	32.3	56.8	58.1	59.4	60.7	62.6	62.6	63.2	63.2	63.2	63.2
≥ 7000	32.3	56.8	58.1	59.4	60.7	62.6	62.6	63.2	63.2	63.2	63.2
≥ 6000	32.3	56.8	58.1	59.4	60.7	62.6	62.6	63.2	63.2	63.2	63.2
≥ 5000	32.3	56.8	58.1	59.4	60.7	62.6	62.6	63.2	63.2	63.2	63.2
≥ 4500	32.3	57.4	58.7	60.0	61.3	63.2	63.2	63.9	63.9	63.9	63.9
≥ 4000	33.6	58.7	60.0	61.3	62.6	64.5	64.5	65.2	65.2	65.2	65.2
≥ 3500	33.6	61.3	62.6	63.9	65.2	67.1	67.1	67.7	67.7	67.7	67.7
≥ 3000	35.5	67.7	69.0	70.3	71.6	73.6	73.6	74.2	74.2	74.2	74.2
≥ 2500	36.8	75.5	76.8	78.1	79.4	81.3	81.3	81.9	81.9	81.9	81.9
≥ 2000	38.1	84.5	85.8	87.1	88.4	90.3	90.3	91.0	91.0	91.0	91.0
≥ 1800	38.1	85.2	86.5	88.4	89.7	91.6	91.6	92.3	92.3	92.3	92.3
≥ 1500	38.1	89.0	90.3	92.3	93.6	95.5	95.5	96.1	96.1	96.1	96.1
≥ 1200	38.1	89.7	91.0	93.6	94.8	96.8	96.8	97.4	97.4	97.4	97.4
≥ 1000	38.1	90.3	91.6	94.2	95.5	97.4	97.4	98.1	98.1	98.1	98.1
≥ 900	38.1	90.3	91.6	94.2	95.5	97.4	97.4	98.1	98.1	98.1	98.1
≥ 800	38.1	90.3	91.6	94.2	95.5	97.4	97.4	98.1	98.1	98.1	98.1
≥ 700	38.1	90.3	91.6	94.2	95.5	97.4	97.4	98.1	98.1	98.1	98.1
≥ 600	38.1	91.0	92.3	94.8	96.1	98.1	98.1	99.4	99.4	99.4	99.4
≥ 500	38.1	91.0	92.3	94.8	96.1	98.1	98.1	99.4	99.4	99.4	99.4
≥ 400	38.1	91.0	92.3	94.8	96.1	98.1	98.1	99.4	99.4	99.4	99.4
≥ 300	38.1	91.0	92.3	94.8	96.1	98.1	98.1	99.4	99.4	99.4	99.4
≥ 200	38.1	91.0	92.3	94.8	96.1	98.1	98.1	99.4	99.4	99.4	99.4
≥ 100	38.1	91.0	92.3	94.8	96.1	98.1	98.1	99.4	99.4	99.4	99.4
0	38.1	91.0	92.3	94.8	96.1	98.1	98.1	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	25.2	56.1	56.8	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 20000	25.2	57.4	58.1	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	25.2	57.4	58.1	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000	25.2	57.4	58.1	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000	25.2	58.7	59.4	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000	25.2	60.0	61.3	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 10000	25.2	60.7	61.9	63.9	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000	25.2	60.7	61.9	63.9	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	25.8	61.3	62.6	64.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 7000	25.8	61.3	62.6	64.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000	26.5	62.6	63.9	65.8	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 5000	26.5	63.9	65.2	67.1	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	26.5	64.5	66.5	68.4	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4000	26.5	65.8	67.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3500	26.5	68.4	70.3	72.3	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3000	27.1	72.9	74.8	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500	29.0	78.1	80.0	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000	29.7	81.3	84.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	29.7	81.9	85.2	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500	29.7	89.7	92.9	94.8	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200	29.7	90.3	93.6	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	29.7	90.3	93.6	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	29.7	91.0	94.2	96.1	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	29.7	91.6	94.8	97.4	97.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	29.7	92.3	95.5	98.1	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	29.7	92.3	95.5	98.1	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	29.7	92.3	95.5	98.1	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	29.7	92.3	95.5	98.1	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	29.7	92.3	95.5	98.1	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	29.7	92.3	95.5	98.1	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	29.7	92.3	95.5	98.1	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	29.7	92.3	95.5	98.1	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEAR

MAR
MONTH

22

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	26.5	55.5	56.1	56.1	56.1	56.1	57.4	57.4	57.4	57.4	57.4
≥ 20000	27.1	56.8	57.4	57.4	57.4	57.4	58.7	58.7	58.7	58.7	58.7
≥ 18000	27.1	56.8	57.4	57.4	57.4	57.4	58.7	58.7	58.7	58.7	58.7
≥ 16000	27.1	56.8	57.4	57.4	57.4	57.4	58.7	58.7	58.7	58.7	58.7
≥ 14000	27.1	57.4	58.1	58.1	58.1	58.1	59.4	59.4	59.4	59.4	59.4
≥ 12000	27.1	58.7	59.4	59.4	59.4	59.4	60.7	60.7	60.7	60.7	60.7
≥ 10000	27.7	60.0	60.7	60.7	60.7	60.7	61.9	61.9	61.9	61.9	61.9
≥ 9000	27.7	60.0	60.7	60.7	60.7	60.7	61.9	61.9	61.9	61.9	61.9
≥ 8000	27.7	60.0	60.7	60.7	60.7	60.7	61.9	61.9	61.9	61.9	61.9
≥ 7000	27.7	60.0	60.7	60.7	60.7	60.7	61.9	61.9	61.9	61.9	61.9
≥ 6000	27.7	60.0	60.7	60.7	60.7	60.7	61.9	61.9	61.9	61.9	61.9
≥ 5000	27.7	61.9	62.6	62.6	62.6	62.6	63.9	63.9	63.9	63.9	63.9
≥ 4500	27.7	63.9	64.5	64.5	64.5	64.5	65.8	65.8	65.8	65.8	65.8
≥ 4000	28.3	65.8	66.5	66.5	66.5	66.5	67.7	67.7	67.7	67.7	67.7
≥ 3500	28.4	68.4	69.0	69.0	69.0	69.0	70.3	70.3	70.3	70.3	70.3
≥ 3000	29.0	72.3	72.9	72.9	72.9	72.9	74.2	74.2	74.2	74.2	74.2
≥ 2500	29.7	80.0	80.7	80.7	80.7	80.7	81.9	81.9	81.9	81.9	81.9
≥ 2000	29.7	82.6	83.2	83.2	83.2	83.2	84.5	84.5	84.5	84.5	84.5
≥ 1800	29.7	82.6	83.9	83.9	83.9	83.9	85.2	85.2	85.2	85.2	85.2
≥ 1500	30.3	85.2	86.5	86.5	86.5	86.5	87.7	87.7	87.7	87.7	87.7
≥ 1200	30.3	87.7	89.0	89.0	89.0	89.0	90.3	90.3	90.3	90.3	90.3
≥ 1000	30.3	90.3	92.9	92.9	92.9	92.9	94.2	94.2	94.2	94.2	94.2
≥ 900	30.3	90.3	92.9	92.9	92.9	92.9	94.2	94.2	94.2	94.2	94.2
≥ 800	30.3	90.3	92.9	92.9	92.9	92.9	94.2	94.2	94.2	94.2	94.2
≥ 700	30.3	90.3	92.9	93.6	94.2	94.2	95.5	95.5	95.5	95.5	95.5
≥ 600	30.3	90.3	92.9	93.6	94.2	94.2	95.5	95.5	95.5	95.5	95.5
≥ 500	30.3	91.0	94.2	95.5	96.1	96.1	97.4	97.4	97.4	97.4	97.4
≥ 400	30.3	91.0	94.2	96.1	96.8	96.8	98.1	98.1	98.1	98.1	98.1
≥ 300	30.3	91.0	94.2	96.1	96.8	96.8	98.1	98.1	98.1	98.1	98.1
≥ 200	30.3	91.0	94.2	96.1	96.8	96.8	98.1	98.1	98.1	98.1	98.1
≥ 100	30.3	91.0	94.2	96.1	96.8	96.8	98.1	98.1	98.1	98.1	98.1
0	30.3	91.0	94.2	96.1	96.8	96.8	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	23.0	47.3	48.5	49.4	49.9	50.3	50.7	50.7	51.0	51.1	51.1	51.1	51.3
≥ 20000	24.2	50.9	52.1	53.2	53.9	54.4	54.8	54.9	55.2	55.3	55.3	55.4	55.6
≥ 18000	24.3	51.1	52.3	53.4	54.1	54.7	55.0	55.2	55.3	55.6	55.6	55.7	55.8
≥ 16000	24.3	51.1	52.3	53.4	54.1	54.7	55.0	55.2	55.3	55.6	55.6	55.7	55.8
≥ 14000	24.4	51.6	52.8	54.0	54.7	55.2	55.6	55.7	56.1	56.1	56.2	56.3	56.4
≥ 12000	24.4	52.3	53.6	54.8	55.6	56.1	56.5	56.6	56.9	57.0	57.1	57.2	57.3
≥ 10000	24.5	53.0	54.3	55.6	56.4	56.9	57.3	57.4	57.7	57.8	57.9	58.0	58.1
≥ 9000	24.7	53.2	54.4	55.7	56.5	57.1	57.4	57.6	57.9	58.0	58.1	58.2	58.2
≥ 8000	24.9	53.7	55.0	56.4	57.2	57.7	58.1	58.2	58.6	58.6	58.7	58.8	58.9
≥ 7000	25.1	53.9	55.2	56.5	57.3	57.9	58.2	58.4	58.7	58.8	58.9	59.0	59.0
≥ 6000	25.2	54.2	55.5	56.9	57.7	58.2	58.6	58.7	59.0	59.1	59.1	59.2	59.4
≥ 5000	25.2	54.9	56.3	57.7	58.5	59.0	59.4	59.5	59.8	59.9	59.9	60.0	60.2
≥ 4500	25.3	55.7	57.2	58.6	59.4	59.9	60.2	60.4	60.7	60.8	60.9	61.0	61.1
≥ 4000	25.8	56.8	58.2	59.6	60.4	61.0	61.3	61.5	61.8	61.9	61.9	62.0	62.1
≥ 3500	26.2	59.6	61.1	62.5	63.3	63.9	64.2	64.4	64.7	64.8	64.8	64.9	65.0
≥ 3000	28.2	66.2	67.8	69.2	70.0	70.6	70.9	71.1	71.4	71.5	71.5	71.6	71.7
≥ 2500	29.6	73.2	74.9	76.3	77.1	77.7	78.0	78.2	78.5	78.6	78.6	78.7	78.8
≥ 2000	30.4	78.7	80.9	82.3	83.3	83.9	84.2	84.4	84.8	84.8	84.9	85.0	85.1
≥ 1800	30.4	79.3	81.7	83.2	84.2	84.8	85.1	85.2	85.7	85.7	85.8	85.9	86.0
≥ 1500	30.5	83.2	86.3	87.7	88.8	89.4	89.7	89.8	90.2	90.3	90.3	90.4	90.6
≥ 1200	30.5	84.4	87.5	89.2	90.2	90.8	91.1	91.3	91.7	91.8	91.8	91.9	92.0
≥ 1000	30.5	85.8	89.1	91.0	92.3	92.9	93.3	93.6	94.0	94.1	94.1	94.2	94.4
≥ 900	30.5	85.9	89.3	91.1	92.6	93.2	93.6	93.8	94.3	94.4	94.4	94.5	94.7
≥ 800	30.5	86.2	89.7	91.7	93.2	93.7	94.1	94.4	94.8	95.0	95.0	95.1	95.2
≥ 700	30.5	86.4	90.0	92.2	93.8	94.4	94.6	95.2	95.7	95.9	95.9	96.0	96.1
≥ 600	30.5	86.5	90.2	92.7	94.3	94.8	95.3	95.8	96.4	96.6	96.6	96.7	96.9
≥ 500	30.5	86.7	90.6	93.4	95.1	95.7	96.3	96.7	97.3	97.6	97.6	97.7	97.8
≥ 400	30.5	86.8	90.7	93.6	95.2	95.8	96.6	97.0	97.7	98.1	98.1	98.2	98.4
≥ 300	30.5	86.8	90.7	93.6	95.3	95.9	96.7	97.1	97.8	98.3	98.3	98.5	98.7
≥ 200	30.5	86.8	90.7	93.6	95.4	96.0	96.8	97.2	97.9	98.5	98.5	98.7	99.0
≥ 100	30.5	86.8	90.7	93.6	95.4	96.0	96.8	97.2	97.9	98.6	98.6	98.9	99.1
≥ 0	30.5	86.8	90.7	93.6	95.4	96.0	96.8	97.2	97.9	98.6	98.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1240

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	11.3	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	11.3	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 18000	11.3	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 16000	11.3	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 14000	11.3	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 12000	11.3	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 10000	11.3	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 9000	11.3	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 8000	12.0	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 7000	12.0	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 6000	12.0	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 5000	12.0	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 4500	12.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 4000	13.3	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 3500	14.7	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 3000	14.7	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 2500	14.7	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 2000	16.0	73.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 1800	17.3	74.7	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 1500	17.3	78.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1200	17.3	80.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1000	17.3	83.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 900	17.3	84.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 800	17.3	84.7	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	17.3	85.3	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 600	17.3	85.3	89.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 500	17.3	85.3	90.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 400	17.3	85.3	90.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 300	17.3	85.3	90.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 200	17.3	85.3	90.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 100	17.3	85.3	90.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 0	17.3	85.3	90.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

93107
STATIONMIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

APR
MONTH04
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	11.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	12.1	45.6	45.6	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 18000	12.1	45.6	45.6	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 16000	12.1	45.6	45.6	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 14000	12.1	45.6	45.6	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 12000	12.1	45.6	45.6	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 10000	12.1	46.3	46.3	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 9000	12.1	46.3	46.3	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 8000	12.1	47.7	47.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 7000	12.1	47.7	47.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 6000	12.1	47.7	47.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 5000	12.1	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 4500	12.1	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 4000	14.8	53.7	53.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 3500	15.4	55.7	55.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 3000	15.4	61.1	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 2500	16.1	63.8	64.4	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 2000	16.8	69.1	69.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 1800	17.5	71.1	71.8	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 1500	17.5	75.8	76.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 1200	18.1	78.5	79.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 1000	18.1	81.2	84.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 900	18.1	81.2	84.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 800	18.1	81.2	85.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 700	18.1	81.9	86.6	88.6	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 600	18.1	81.9	86.6	88.6	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 500	18.1	81.9	87.9	89.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 400	18.1	81.9	87.9	89.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 300	18.1	81.9	87.9	89.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 200	18.1	81.9	87.9	89.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 100	18.1	81.9	87.9	89.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
0	18.1	81.9	87.9	89.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0

TOTAL NUMBER OF OBSERVATIONS

149

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	15.3	35.3	36.0	37.3	37.3	38.0	38.0	38.0	38.0	38.7	38.7	38.7	40.0	40.0
≥ 20000	18.7	40.0	40.7	42.0	42.0	42.7	42.7	42.7	42.7	43.3	43.3	43.3	44.7	44.7
≥ 18000	18.7	40.0	40.7	42.0	42.0	42.7	42.7	42.7	42.7	43.3	43.3	43.3	44.7	44.7
≥ 16000	18.7	40.0	40.7	42.0	42.0	42.7	42.7	42.7	42.7	43.3	43.3	43.3	44.7	44.7
≥ 14000	18.7	40.0	40.7	42.0	42.0	42.7	42.7	42.7	42.7	43.3	43.3	43.3	44.7	44.7
≥ 12000	18.7	40.7	41.3	42.7	42.7	43.3	43.3	43.3	43.3	44.0	44.0	44.0	45.3	45.3
≥ 10000	18.7	41.3	42.0	43.3	43.3	44.0	44.0	44.0	44.0	44.7	44.7	44.7	46.0	46.0
≥ 9000	18.7	41.3	42.0	43.3	43.3	44.0	44.0	44.0	44.0	44.7	44.7	44.7	46.0	46.0
≥ 8000	18.7	42.0	42.7	44.0	44.0	44.7	44.7	44.7	44.7	45.3	45.3	45.3	46.7	46.7
≥ 7000	18.7	42.0	42.7	44.0	44.0	44.7	44.7	44.7	44.7	45.3	45.3	45.3	46.7	46.7
≥ 6000	18.7	42.0	42.7	44.0	44.0	44.7	44.7	44.7	44.7	45.3	45.3	45.3	46.7	46.7
≥ 5000	18.7	43.3	44.0	45.3	45.3	46.0	46.0	46.0	46.0	46.7	46.7	46.7	48.0	48.0
≥ 4500	18.7	44.7	45.3	46.7	46.7	47.3	47.3	47.3	47.3	48.0	48.0	48.0	49.3	49.3
≥ 4000	18.7	46.7	47.3	48.7	48.7	49.3	49.3	49.3	49.3	50.0	50.0	50.0	51.3	51.3
≥ 3500	19.3	51.3	52.0	53.3	53.3	54.0	54.0	54.0	54.0	54.7	54.7	54.7	56.0	56.0
≥ 3000	20.0	54.0	54.7	56.0	56.0	56.7	56.7	56.7	56.7	57.3	57.3	57.3	58.7	58.7
≥ 2500	20.7	62.0	63.3	65.3	65.3	66.0	66.0	66.0	66.0	66.7	66.7	66.7	68.0	68.0
≥ 2000	20.7	64.7	66.0	68.0	68.0	68.7	68.7	68.7	68.7	69.3	69.3	69.3	70.7	70.7
≥ 1800	20.7	67.3	68.7	70.7	70.7	71.3	71.3	71.3	71.3	72.0	72.0	72.0	73.3	73.3
≥ 1500	21.3	71.3	73.3	75.3	75.3	76.0	76.0	76.0	76.0	76.7	76.7	76.7	78.0	78.0
≥ 1200	21.3	72.0	75.3	77.3	78.0	79.3	79.3	79.3	79.3	80.0	80.0	80.0	81.3	81.3
≥ 1000	21.3	76.0	80.7	84.0	84.7	86.0	86.0	86.0	86.0	86.7	86.7	86.7	88.0	88.0
≥ 900	21.3	76.0	80.7	84.0	84.7	86.0	86.0	86.0	86.0	86.7	86.7	86.7	88.0	88.0
≥ 800	21.3	76.0	80.7	84.0	84.7	86.0	86.0	86.0	86.0	86.7	86.7	86.7	88.0	88.0
≥ 700	21.3	76.7	82.0	86.0	87.3	88.7	88.7	88.7	88.7	89.3	89.3	89.3	90.7	90.7
≥ 600	21.3	77.3	82.7	86.7	88.0	89.3	89.3	89.3	89.3	90.0	90.0	90.0	92.0	92.0
≥ 500	21.3	77.3	82.7	86.7	88.0	89.3	89.3	89.3	89.3	90.0	90.0	90.0	92.0	92.0
≥ 400	21.3	77.3	82.7	86.7	88.7	90.0	90.0	90.0	90.0	90.7	90.7	90.7	92.7	92.7
≥ 300	21.3	77.3	82.7	86.7	88.7	90.0	90.0	90.0	90.0	90.7	90.7	90.7	92.7	92.7
≥ 200	21.3	77.3	82.7	86.7	88.7	90.0	90.0	90.0	90.0	90.7	90.7	90.7	92.7	92.7
≥ 100	21.3	77.3	82.7	86.7	88.7	90.0	90.0	90.0	90.0	90.7	90.7	90.7	92.7	92.7
0	21.3	77.3	82.7	86.7	88.7	90.0	90.0	90.0	90.0	90.7	90.7	90.7	92.7	92.7

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	12.7	38.7	45.3	46.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	14.7	42.7	50.0	52.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 18000	14.7	42.7	50.0	52.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 16000	14.7	42.7	50.0	52.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 14000	14.7	42.7	50.0	52.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 12000	14.7	42.7	50.0	52.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 10000	14.7	42.7	50.0	52.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 9000	14.7	42.7	50.0	52.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 8000	15.3	43.3	50.7	52.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 7000	15.3	43.3	50.7	52.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 6000	15.3	43.3	50.7	52.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 5000	15.3	43.3	50.7	52.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 4500	15.3	44.0	51.3	53.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 4000	16.7	45.3	52.7	54.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 3500	18.0	50.0	57.3	59.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 3000	18.7	56.0	65.3	67.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 2500	20.0	66.7	75.3	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	22.0	74.7	83.3	85.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1800	22.0	75.3	84.0	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1500	22.7	80.0	88.7	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1200	22.7	80.0	88.7	91.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000	22.7	81.3	90.0	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	22.7	81.3	90.0	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	22.7	81.3	90.0	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	22.7	81.3	90.0	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	22.7	81.3	90.0	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	22.7	81.3	90.0	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	22.7	81.3	90.0	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 300	22.7	81.3	90.0	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 200	22.7	81.3	90.0	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 100	22.7	81.3	90.0	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
0	22.7	81.3	90.0	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS 150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	16.0	56.0	60.7	60.7	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 20000	18.7	60.0	64.7	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 18000	18.7	60.0	64.7	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000	18.7	60.0	64.7	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000	19.3	60.7	65.3	66.0	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 12000	19.3	60.7	65.3	66.0	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 10000	19.3	60.7	65.3	66.0	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 9000	19.3	60.7	65.3	66.0	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 8000	20.0	62.0	66.7	67.3	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 7000	20.0	62.0	66.7	67.3	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 6000	20.0	62.0	66.7	67.3	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 5000	20.0	62.0	66.7	67.3	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4500	20.7	62.7	67.3	68.0	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 4000	21.3	64.7	69.3	70.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3500	21.3	65.0	70.7	71.3	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3000	22.0	72.0	76.7	77.3	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	24.7	81.3	86.7	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	26.0	89.3	96.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	26.0	89.3	96.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	26.0	90.0	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	26.0	90.0	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	26.0	90.0	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	26.0	90.0	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	26.0	90.0	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	26.0	90.0	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	26.0	90.0	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	26.0	90.0	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	26.0	90.0	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	26.0	90.0	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	26.0	90.0	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	26.0	90.0	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	26.0	90.0	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATIONMIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

APR
MONTH

16

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	21.3	53.3	67.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 20000	22.0	65.3	69.3	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 18000	22.7	66.0	70.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 16000	22.7	66.0	70.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 14000	22.7	66.7	70.7	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 12000	22.7	67.3	71.3	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 10000	23.3	68.0	72.0	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 9000	23.3	68.0	72.0	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	23.3	68.0	72.0	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 7000	24.0	68.7	72.7	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 6000	24.0	69.3	73.3	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 5000	24.7	70.7	74.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4500	24.7	70.7	74.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4000	24.7	71.3	75.3	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500	24.7	72.0	76.0	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3000	26.7	78.0	82.7	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2500	27.3	82.0	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	28.0	86.7	92.0	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	28.0	86.7	92.0	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	28.0	88.0	93.3	94.7	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	28.7	89.3	94.7	96.0	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	28.7	90.0	95.3	96.7	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	28.7	90.0	95.3	96.7	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	28.7	90.0	95.3	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	28.7	90.0	95.3	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	28.7	90.0	95.3	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	28.7	90.0	95.3	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	28.7	90.0	95.3	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	28.7	90.0	95.3	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	28.7	90.0	95.3	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	28.7	90.0	95.3	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	28.7	90.0	95.3	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

APR
MONTH

19
YEARS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	14.0	56.0	60.0	61.3	61.3	61.3	62.0	62.0	62.0	62.0	62.0
≥ 20000	14.7	59.3	64.0	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0
≥ 18000	14.7	59.3	64.0	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0
≥ 16000	14.7	59.3	64.0	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0
≥ 14000	14.7	59.3	64.0	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0
≥ 12000	15.3	60.0	64.7	66.0	66.0	66.0	66.7	66.7	66.7	66.7	66.7
≥ 10000	15.3	60.7	65.3	66.7	66.7	66.7	67.3	67.3	67.3	67.3	67.3
≥ 9000	15.3	60.7	65.3	66.7	66.7	66.7	67.3	67.3	67.3	67.3	67.3
≥ 8000	15.3	60.7	65.3	66.7	66.7	66.7	67.3	67.3	67.3	67.3	67.3
≥ 7000	15.3	60.7	65.3	66.7	66.7	66.7	67.3	67.3	67.3	67.3	67.3
≥ 6000	15.3	60.7	65.3	66.7	66.7	66.7	67.3	67.3	67.3	67.3	67.3
≥ 5000	16.7	62.7	67.3	68.7	68.7	68.7	69.3	69.3	69.3	69.3	69.3
≥ 4500	16.7	62.7	67.3	68.7	68.7	68.7	69.3	69.3	69.3	69.3	69.3
≥ 4000	16.7	64.7	69.3	70.7	70.7	70.7	71.3	71.3	71.3	71.3	71.3
≥ 3500	17.3	66.0	70.7	72.0	72.0	72.0	72.7	72.7	72.7	72.7	72.7
≥ 3000	19.3	69.3	74.0	75.3	75.3	75.3	76.0	76.0	76.0	76.0	76.0
≥ 2500	19.3	72.7	77.3	78.7	78.7	78.7	79.3	79.3	79.3	79.3	79.3
≥ 2000	19.3	77.3	82.0	83.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0
≥ 1800	19.3	78.0	83.3	84.7	84.7	84.7	85.3	85.3	85.3	85.3	85.3
≥ 1500	20.0	83.3	88.7	90.0	90.0	90.0	90.7	90.7	90.7	90.7	90.7
≥ 1200	20.0	85.3	91.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0
≥ 1000	20.0	88.0	94.0	96.0	96.0	96.0	97.3	97.3	97.3	97.3	97.3
≥ 900	20.0	88.7	94.7	96.7	96.7	96.7	98.0	98.0	98.0	98.0	98.0
≥ 800	20.0	88.7	95.3	97.3	97.3	97.3	98.7	98.7	98.7	98.7	98.7
≥ 700	20.0	88.7	95.3	97.3	97.3	97.3	98.7	98.7	98.7	98.7	98.7
≥ 600	20.0	88.7	95.3	97.3	97.3	97.3	98.7	98.7	98.7	98.7	98.7
≥ 500	20.0	88.7	95.3	97.3	97.3	97.3	98.7	98.7	98.7	98.7	98.7
≥ 400	20.0	88.7	95.3	97.3	97.3	97.3	98.7	98.7	98.7	98.7	98.7
≥ 300	20.0	88.7	95.3	97.3	97.3	97.3	98.7	98.7	98.7	98.7	98.7
≥ 200	20.0	88.7	95.3	97.3	97.3	97.3	98.7	98.7	98.7	98.7	98.7
≥ 100	20.0	88.7	95.3	97.3	97.3	97.3	98.7	98.7	98.7	98.7	98.7
≥ 0	20.0	88.7	95.3	97.3	97.3	97.3	98.7	98.7	98.7	98.7	98.7

150

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

73-77

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	13.3	53.3	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	14.0	54.0	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	14.0	54.0	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 16000	14.0	54.0	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000	14.0	54.0	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 12000	14.0	54.0	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 10000	14.0	54.7	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 9000	14.0	54.7	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 8000	14.0	55.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 7000	14.0	55.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 6000	14.0	55.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 5000	14.0	57.3	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 4500	14.0	58.0	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4000	14.7	58.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 3500	15.3	60.0	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 3000	15.3	64.0	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 2500	15.3	69.3	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 2000	16.7	79.3	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1800	16.7	79.3	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1600	16.7	83.3	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1400	16.7	84.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	17.3	88.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	17.3	88.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 900	17.3	88.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 800	17.3	88.0	92.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	17.3	88.0	92.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	17.3	88.0	93.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	17.3	88.0	93.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	17.3	88.0	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	17.3	88.0	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	17.3	88.0	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	17.3	88.0	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	17.3	88.0	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½
NO CEILING	14.4	49.2	52.0	52.7	53.0	53.2	53.3	53.3	53.3	53.4	53.4
≥ 20000	15.8	51.6	54.6	55.5	55.8	56.0	56.1	56.1	56.1	56.1	56.1
≥ 18000	15.9	51.7	54.6	55.6	55.9	56.1	56.1	56.1	56.1	56.2	56.2
≥ 16000	15.9	51.7	54.6	55.6	55.9	56.1	56.1	56.1	56.1	56.2	56.2
≥ 14000	15.9	51.9	54.8	55.7	56.1	56.2	56.3	56.3	56.3	56.4	56.4
≥ 12000	16.0	52.2	55.1	56.1	56.4	56.6	56.6	56.6	56.6	56.7	56.7
≥ 10000	16.1	52.7	55.6	56.6	56.9	57.1	57.1	57.1	57.1	57.2	57.2
≥ 9000	16.1	52.7	55.6	56.6	56.9	57.1	57.1	57.1	57.1	57.2	57.2
≥ 8000	16.4	53.5	56.4	57.3	57.6	57.8	57.9	57.9	57.9	58.0	58.0
≥ 7000	16.4	53.5	56.5	57.4	57.7	57.9	58.0	58.0	58.0	58.1	58.1
≥ 6000	16.4	53.6	56.6	57.5	57.8	58.0	58.1	58.1	58.1	58.2	58.2
≥ 5000	16.7	54.8	57.7	58.6	59.0	59.1	59.2	59.2	59.3	59.3	59.3
≥ 4500	16.9	55.6	58.2	59.4	59.7	59.9	60.0	60.0	60.1	60.1	60.1
≥ 4000	17.6	57.2	60.1	61.1	61.4	61.6	61.6	61.6	61.7	61.7	61.7
≥ 3500	18.3	59.4	62.4	63.3	63.6	63.8	63.9	63.9	64.0	64.0	64.0
≥ 3000	19.0	64.7	68.0	68.9	69.2	69.4	69.5	69.5	69.6	69.6	69.6
≥ 2500	19.8	70.4	74.1	75.1	75.4	75.6	75.7	75.7	75.7	75.7	75.7
≥ 2000	20.7	76.8	80.7	81.9	82.2	82.4	82.5	82.5	82.6	82.6	82.6
≥ 1800	20.9	77.7	81.7	83.0	83.3	83.5	83.6	83.6	83.7	83.7	83.7
≥ 1500	21.2	81.3	85.5	86.8	87.2	87.3	87.4	87.5	87.5	87.6	87.6
≥ 1200	21.4	82.6	87.1	88.5	89.1	89.3	89.5	89.6	89.6	89.7	89.7
≥ 1000	21.4	84.7	89.7	91.3	92.0	92.2	92.6	92.7	92.7	92.7	92.7
≥ 900	21.4	84.9	89.9	91.6	92.3	92.6	92.9	93.1	93.2	93.2	93.3
≥ 800	21.4	85.0	90.4	92.4	93.3	93.7	94.1	94.5	94.5	94.6	94.6
≥ 700	21.4	85.2	90.9	93.1	94.2	94.5	95.0	95.4	95.4	95.7	95.7
≥ 600	21.4	85.3	91.2	93.5	94.6	94.9	95.4	95.8	95.8	96.1	96.1
≥ 500	21.4	85.3	91.4	94.1	95.3	95.6	96.2	96.7	96.7	96.9	96.9
≥ 400	21.4	85.3	91.5	94.3	95.7	96.2	97.0	97.5	97.5	97.8	97.8
≥ 300	21.4	85.3	91.5	94.3	95.7	96.3	97.2	97.7	97.7	98.1	98.1
≥ 200	21.4	85.3	91.5	94.3	95.8	96.3	97.3	97.8	97.8	98.4	98.4
≥ 100	21.4	85.3	91.5	94.3	95.8	96.3	97.3	97.8	97.8	98.5	98.5
0	21.4	85.3	91.5	94.3	95.8	96.3	97.3	97.8	97.8	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS

1199

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	6.5	20.0	20.7	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
≥ 20000	7.1	20.7	21.3	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
18000	7.1	20.7	21.3	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
16000	7.1	20.7	21.3	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
14000	7.1	20.7	21.3	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
12000	7.1	20.7	21.3	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
10000	7.1	20.7	21.3	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
9000	7.1	20.7	21.3	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
8000	8.4	21.9	22.6	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
7000	8.4	21.9	22.6	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
6000	8.4	21.9	22.6	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
5000	8.4	21.9	22.6	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
4500	8.4	23.2	23.9	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
4000	8.4	23.9	24.5	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
3500	9.0	24.5	25.2	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
3000	9.7	29.0	30.3	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
2500	11.6	36.8	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2000	12.3	44.5	46.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
1800	12.3	45.8	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
1500	12.9	53.6	58.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
1200	12.9	56.1	61.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
1000	12.9	63.2	70.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
900	12.9	63.2	71.0	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
800	12.9	65.2	73.6	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
700	12.9	65.5	74.8	79.4	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
600	12.9	66.5	75.5	81.3	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
500	12.9	68.4	77.4	85.8	86.5	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
400	12.9	68.4	78.1	86.5	87.7	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
300	12.9	68.4	78.7	87.7	89.0	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
200	12.9	68.4	78.7	87.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
100	12.9	68.4	78.7	87.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
0	12.9	68.4	78.7	87.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	5.8	13.5	16.1	16.8	17.4	17.4	17.4	17.4	17.4	18.1	18.1	18.1	18.1	18.1
≥ 20000	5.8	13.5	16.1	16.8	17.4	17.4	17.4	17.4	17.4	18.1	18.1	18.1	18.1	18.1
≥ 18000	5.8	13.5	16.1	16.8	17.4	17.4	17.4	17.4	17.4	18.1	18.1	18.1	18.1	18.1
≥ 16000	5.8	13.5	16.1	16.8	17.4	17.4	17.4	17.4	17.4	18.1	18.1	18.1	18.1	18.1
≥ 14000	5.8	13.5	16.1	16.8	17.4	17.4	17.4	17.4	17.4	18.1	18.1	18.1	18.1	18.1
≥ 12000	5.8	13.5	16.1	16.8	17.4	17.4	17.4	17.4	17.4	18.1	18.1	18.1	18.1	18.1
≥ 10000	5.8	13.5	16.1	16.8	17.4	17.4	17.4	17.4	17.4	18.1	18.1	18.1	18.1	18.1
≥ 9000	5.8	13.5	16.1	16.8	17.4	17.4	17.4	17.4	17.4	18.1	18.1	18.1	18.1	18.1
≥ 8000	6.5	16.1	16.8	17.4	18.1	18.1	18.1	18.1	18.1	18.7	18.7	18.7	18.7	18.7
≥ 7000	6.5	16.1	16.8	17.4	18.1	18.1	18.1	18.1	18.1	18.7	18.7	18.7	18.7	18.7
≥ 6000	6.5	16.8	17.4	18.1	18.7	18.7	18.7	18.7	18.7	19.4	19.4	19.4	19.4	19.4
≥ 5000	6.5	17.4	18.1	18.7	19.4	19.4	19.4	19.4	19.4	20.0	20.0	20.0	20.0	20.0
≥ 4500	7.1	18.7	19.4	20.0	20.7	20.7	20.7	20.7	20.7	21.3	21.3	21.3	21.3	21.3
≥ 4000	7.1	19.4	20.0	20.7	21.3	21.3	21.3	21.3	21.3	21.9	21.9	21.9	21.9	21.9
≥ 3500	7.7	20.0	20.7	21.3	21.9	21.9	21.9	21.9	21.9	22.6	22.6	22.6	22.6	22.6
≥ 3000	9.0	25.8	26.5	27.1	27.7	27.7	27.7	27.7	27.7	28.4	28.4	28.4	28.4	28.4
≥ 2500	10.3	31.6	32.3	32.9	33.6	33.6	33.6	33.6	33.6	34.2	34.2	34.2	34.2	34.2
≥ 2000	11.6	41.9	42.6	43.2	43.9	43.9	43.9	43.9	43.9	44.5	44.5	44.5	44.5	44.5
≥ 1800	11.6	43.2	44.5	45.2	45.8	45.8	45.8	45.8	45.8	46.5	46.5	46.5	46.5	46.5
≥ 1500	11.6	47.7	49.0	50.3	51.0	51.0	51.0	51.0	51.0	51.6	51.6	51.6	51.6	51.6
≥ 1200	11.6	50.3	51.6	53.6	54.2	54.2	54.2	54.2	54.2	54.8	54.8	54.8	54.8	54.8
≥ 1000	11.6	60.7	63.9	67.7	68.4	68.4	68.4	68.4	68.4	69.0	69.0	69.0	69.0	69.0
≥ 900	11.6	61.3	65.2	69.0	69.7	69.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3
≥ 800	11.6	61.9	67.7	72.3	73.6	73.6	73.6	73.6	73.6	74.2	74.2	74.2	74.2	74.2
≥ 700	11.6	63.9	70.3	75.5	76.8	76.8	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4
≥ 600	11.6	64.5	71.0	76.8	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4
≥ 500	11.6	64.5	71.0	77.4	81.3	81.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9
≥ 400	11.6	64.5	72.3	78.1	82.6	82.6	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2
≥ 300	11.6	64.5	72.9	78.7	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2
≥ 200	11.6	64.5	72.9	78.7	85.2	85.2	85.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8
≥ 100	11.6	64.5	72.9	78.7	85.2	85.2	85.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8
0	11.6	64.5	72.9	78.7	85.2	85.2	85.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	3.9	12.9	13.6	14.8	16.1	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
≥ 20000	4.5	13.6	14.2	15.5	16.8	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
≥ 18000	4.5	13.6	14.2	15.5	16.8	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
≥ 16000	4.5	13.6	14.2	15.5	16.8	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
≥ 14000	4.5	13.6	14.2	15.5	16.8	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
≥ 12000	4.5	14.2	14.8	16.1	17.4	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
≥ 10000	5.2	14.8	15.5	16.8	18.1	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
≥ 9000	5.2	14.8	15.5	16.8	18.1	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
≥ 8000	5.2	14.8	15.5	16.8	18.1	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
≥ 7000	5.2	14.8	15.5	16.8	18.1	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
≥ 6000	5.8	15.5	16.1	17.4	18.7	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
≥ 5000	5.8	15.5	16.1	17.4	18.7	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
≥ 4500	6.5	16.8	17.4	18.7	20.0	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
≥ 4000	6.5	16.8	17.4	18.7	20.0	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
≥ 3500	6.5	18.1	18.7	20.0	21.3	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
≥ 3000	9.7	24.5	25.2	26.5	27.7	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 2500	11.6	29.7	31.0	32.9	34.2	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 2000	12.3	36.1	39.4	41.3	42.6	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 1800	12.9	39.4	42.0	45.2	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 1500	13.6	48.4	53.6	56.1	58.1	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 1200	13.6	49.0	55.5	58.1	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 1000	13.6	53.6	60.7	65.2	69.0	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 900	13.6	55.5	62.6	67.7	71.6	72.3	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 800	13.6	55.5	63.2	69.0	73.6	74.2	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 700	13.6	55.5	63.2	69.7	76.1	76.8	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 600	13.6	55.5	63.2	70.3	78.1	80.0	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 500	13.6	55.5	63.2	71.6	79.4	81.3	84.5	86.5	86.5	87.7	88.4	88.4	88.4	88.4
≥ 400	13.6	55.5	63.2	71.6	80.0	81.9	86.5	88.4	88.4	89.7	90.3	90.3	90.3	90.3
≥ 300	13.6	55.5	63.2	71.6	80.0	81.9	86.5	88.4	88.4	90.3	92.9	93.6	93.6	94.2
≥ 200	13.6	55.5	63.2	71.6	80.0	81.9	87.1	89.0	89.0	91.0	93.6	95.5	95.5	96.8
≥ 100	13.6	55.5	63.2	71.6	80.0	81.9	87.1	89.0	89.0	91.0	93.6	96.1	96.1	98.7
≥ 0	13.6	55.5	63.2	71.6	80.0	81.9	87.1	89.0	89.0	91.0	93.6	96.1	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

MAY
MONTH

10
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	4.5	27.1	32.9	41.3	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	4.5	27.7	33.6	41.9	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 18000	4.5	28.4	34.2	42.6	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 16000	4.5	28.4	34.2	42.6	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 14000	4.5	28.4	34.2	42.6	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 12000	4.5	28.4	34.2	42.6	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 10000	4.5	29.0	34.8	43.2	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 9000	4.5	29.0	34.8	43.2	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 8000	6.5	31.0	36.8	45.2	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 7000	6.5	31.0	36.8	45.2	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 6000	6.5	31.6	37.4	45.8	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 5000	7.1	32.3	38.1	46.5	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 4500	7.7	32.9	38.7	47.1	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 4000	7.7	32.9	38.7	47.1	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 3500	9.0	37.4	43.2	51.6	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 3000	12.9	43.9	50.3	58.7	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 2500	18.1	54.2	60.7	69.0	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2000	18.1	58.1	64.5	73.6	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1800	18.1	60.0	66.5	75.5	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500	18.1	64.5	72.9	82.6	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200	18.1	66.5	74.8	84.5	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1000	18.1	66.5	75.5	85.8	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	18.1	66.5	76.1	86.5	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	18.1	66.5	76.1	86.5	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700	18.1	66.5	76.1	86.5	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600	18.1	66.5	76.1	87.1	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	18.1	66.5	76.1	87.1	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	18.1	66.5	76.1	87.1	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	18.1	66.5	76.1	87.1	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	18.1	66.5	76.1	87.1	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100	18.1	66.5	76.1	87.1	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0	18.1	66.5	76.1	87.1	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	8.4	43.9	49.7	55.5	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	9.7	45.8	52.3	58.1	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 18000	9.7	45.8	52.3	58.1	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 16000	9.7	45.8	52.3	58.1	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	9.7	45.8	52.3	58.1	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 12000	9.7	45.8	52.3	58.1	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	11.0	47.1	53.6	59.4	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000	11.0	47.1	53.6	59.4	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 8000	11.0	47.1	54.2	60.0	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000	11.0	47.1	54.2	60.0	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 6000	11.6	48.4	54.8	60.7	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 5000	11.6	48.4	54.8	60.7	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4500	11.6	48.4	54.8	60.7	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4000	11.6	48.4	54.8	60.7	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 3500	12.3	49.0	55.5	61.3	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 3000	14.8	54.2	60.7	66.5	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2500	19.4	64.5	71.0	76.8	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	19.4	71.0	77.4	85.2	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	19.4	71.0	77.4	85.2	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500	20.0	74.8	81.3	89.7	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200	20.0	75.5	81.9	90.3	94.8	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	20.0	75.5	81.9	90.3	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	20.0	75.5	81.9	91.0	95.5	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	20.0	75.5	81.9	91.6	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	20.0	75.5	82.6	92.3	97.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	20.0	75.5	82.6	92.3	97.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	20.0	75.5	82.6	92.3	97.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	20.0	75.5	82.6	92.3	97.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	20.0	75.5	82.6	92.3	97.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	20.0	75.5	82.6	92.3	97.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	20.0	75.5	82.6	92.3	97.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	20.0	75.5	82.6	92.3	97.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	12.3	46.5	51.0	55.5	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 20000	13.6	48.4	52.9	57.4	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	13.6	48.4	52.9	57.4	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	13.6	48.4	52.9	57.4	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	13.6	48.4	52.9	57.4	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	13.6	49.0	53.6	58.1	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	14.2	50.3	54.8	59.4	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000	14.2	50.3	54.8	59.4	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 8000	14.2	50.3	54.8	59.4	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	14.2	50.3	54.8	59.4	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 6000	14.2	50.3	54.8	59.4	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 5000	14.2	50.3	54.8	59.4	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4500	14.2	50.3	54.8	59.4	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4000	14.2	51.0	55.5	60.0	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 3500	14.2	51.0	55.5	60.0	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 3000	15.5	54.2	58.7	63.2	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 2500	18.7	64.5	69.0	73.6	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000	18.7	72.3	76.8	81.9	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	18.7	74.8	79.4	84.5	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1500	18.7	80.0	85.2	90.3	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200	18.7	80.0	85.2	92.3	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	18.7	80.7	87.1	93.6	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	18.7	80.7	87.1	93.6	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	18.7	80.7	87.7	94.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	18.7	80.7	87.7	94.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	18.7	80.7	87.7	94.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	18.7	80.7	87.7	94.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	18.7	80.7	87.7	94.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	18.7	80.7	87.7	94.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	18.7	80.7	87.7	94.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	18.7	80.7	87.7	94.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	18.7	80.7	87.7	94.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMQS

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	7.7	34.8	38.1	38.7	40.7	41.9	41.9	41.9	41.9	42.6	42.6	42.6
≥ 20000	10.3	32.1	41.3	41.9	43.9	45.2	45.2	45.2	45.2	45.8	45.8	45.8
≥ 18000	10.3	38.1	41.3	41.9	43.9	45.2	45.2	45.2	45.2	45.8	45.8	45.8
≥ 16000	10.3	38.1	41.3	41.9	43.9	45.2	45.2	45.2	45.2	45.8	45.8	45.8
≥ 14000	10.3	38.1	41.3	41.9	43.9	45.2	45.2	45.2	45.2	45.8	45.8	45.8
≥ 12000	10.3	38.1	41.3	41.9	43.9	45.2	45.2	45.2	45.2	45.8	45.8	45.8
≥ 10000	11.0	38.7	41.9	42.6	44.5	45.8	45.8	45.8	45.8	46.5	46.5	46.5
≥ 9000	11.0	38.7	41.9	42.6	44.5	45.8	45.8	45.8	45.8	46.5	46.5	46.5
≥ 8000	11.6	39.4	42.6	43.2	45.2	46.5	46.5	46.5	46.5	47.1	47.1	47.1
≥ 7000	11.6	39.4	42.6	43.2	45.2	46.5	46.5	46.5	46.5	47.1	47.1	47.1
≥ 6000	11.6	39.4	42.6	43.2	45.2	46.5	46.5	46.5	46.5	47.1	47.1	47.1
≥ 5000	11.6	39.4	42.6	43.2	45.2	46.5	46.5	46.5	46.5	47.1	47.1	47.1
≥ 4500	11.6	39.4	42.6	43.2	45.2	46.5	46.5	46.5	46.5	47.1	47.1	47.1
≥ 4000	11.6	39.4	42.6	43.2	45.2	46.5	46.5	46.5	46.5	47.1	47.1	47.1
≥ 3500	11.6	39.4	42.6	43.2	45.2	46.5	46.5	46.5	46.5	47.1	47.1	47.1
≥ 3000	12.3	42.6	45.8	46.5	48.4	49.7	49.7	49.7	49.7	50.3	50.3	50.3
≥ 2500	14.6	49.7	53.6	54.2	56.1	57.4	57.4	57.4	57.4	58.1	58.1	58.1
≥ 2000	15.5	54.2	58.7	59.4	61.9	63.9	63.9	63.9	63.9	64.5	64.5	64.5
≥ 1800	15.5	57.4	61.9	62.6	65.2	67.1	67.1	67.1	67.1	67.7	67.7	67.7
≥ 1500	15.5	69.7	74.2	74.8	77.4	79.4	79.4	79.4	79.4	80.0	80.0	80.0
≥ 1200	15.5	72.9	80.0	80.7	83.2	85.2	85.2	85.2	85.2	85.8	85.8	85.8
≥ 1000	15.5	74.8	83.2	83.2	89.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6
≥ 900	15.5	75.5	84.5	86.5	91.0	92.9	92.9	92.9	92.9	93.6	93.6	93.6
≥ 800	15.5	76.8	85.8	87.7	94.2	96.1	96.1	96.1	96.1	97.4	97.4	97.4
≥ 700	15.5	76.8	85.8	89.0	95.5	97.4	97.4	97.4	97.4	99.4	99.4	99.4
≥ 600	15.5	76.8	85.8	89.0	95.5	97.4	97.4	97.4	97.4	100.0	100.0	100.0
≥ 500	15.5	76.8	85.8	89.0	95.5	97.4	97.4	97.4	97.4	100.0	100.0	100.0
≥ 400	15.5	76.8	85.8	89.0	95.5	97.4	97.4	97.4	97.4	100.0	100.0	100.0
≥ 300	15.5	76.8	85.8	89.0	95.5	97.4	97.4	97.4	97.4	100.0	100.0	100.0
≥ 200	15.5	76.8	85.8	89.0	95.5	97.4	97.4	97.4	97.4	100.0	100.0	100.0
≥ 100	15.5	76.8	85.8	89.0	95.5	97.4	97.4	97.4	97.4	100.0	100.0	100.0
≥ 0	15.5	76.8	85.8	89.0	95.5	97.4	97.4	97.4	97.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	5.2	24.5	25.8	25.8	25.8	25.8	25.8	26.5	26.5	27.1	27.1	27.1	28.4	28.4
≥ 20000	6.5	25.8	27.1	27.1	27.1	27.1	27.1	27.1	27.7	28.4	28.4	28.4	29.7	29.7
AI 18000	6.5	25.8	27.1	27.1	27.1	27.1	27.1	27.7	27.7	28.4	28.4	28.4	29.7	29.7
AI 16000	6.5	25.8	27.1	27.1	27.1	27.1	27.1	27.7	27.7	28.4	28.4	28.4	29.7	29.7
AI 14000	6.5	25.8	27.1	27.1	27.1	27.1	27.1	27.7	27.7	28.4	28.4	28.4	29.7	29.7
AI 12000	6.5	25.8	27.1	27.1	27.1	27.1	27.1	27.7	27.7	28.4	28.4	28.4	29.7	29.7
AI 10000	7.1	26.5	27.7	27.7	27.7	27.7	27.7	28.4	28.4	29.0	29.0	30.3	30.3	30.3
AI 9000	7.1	26.5	27.7	27.7	27.7	27.7	27.7	28.4	28.4	29.0	29.0	30.3	30.3	30.3
AI 8000	7.1	27.1	28.4	28.4	28.4	28.4	28.4	29.0	29.0	29.7	29.7	31.0	31.0	31.0
AI 7000	7.1	27.1	28.4	28.4	28.4	28.4	28.4	29.0	29.0	29.7	29.7	31.0	31.0	31.0
AI 6000	7.1	27.1	28.4	28.4	28.4	28.4	28.4	29.0	29.0	29.7	29.7	31.0	31.0	31.0
AI 5000	7.1	27.1	28.4	28.4	28.4	28.4	28.4	29.0	29.0	29.7	29.7	31.0	31.0	31.0
AI 4500	7.1	27.7	29.0	29.0	29.0	29.0	29.0	29.7	29.7	30.3	30.3	31.6	31.6	31.6
AI 4000	7.1	27.7	29.0	29.0	29.0	29.0	29.0	29.7	29.7	30.3	30.3	31.6	31.6	31.6
AI 3500	8.4	29.0	30.3	30.3	30.3	30.3	30.3	31.0	31.0	31.6	31.6	32.9	32.9	32.9
AI 3000	10.8	34.2	35.5	35.5	35.5	35.5	35.5	36.1	36.1	36.8	36.8	38.1	38.1	38.1
AI 2500	11.6	43.2	44.5	44.5	44.5	44.5	44.5	45.2	45.2	45.8	45.8	47.1	47.1	47.1
AI 2000	11.6	50.3	52.9	52.9	52.9	52.9	52.9	53.6	53.6	54.2	54.2	55.5	55.5	55.5
AI 1800	11.6	51.6	54.2	54.2	54.2	54.2	54.2	54.8	54.8	55.5	55.5	56.8	56.8	56.8
AI 1500	13.6	60.7	63.9	63.9	64.5	64.5	64.5	65.2	65.2	65.8	65.8	67.1	67.1	67.1
AI 1200	14.2	67.1	71.0	71.0	71.6	71.6	71.6	72.3	72.3	72.9	72.9	74.2	74.2	74.2
AI 1000	14.2	71.6	76.1	76.1	77.4	77.4	77.4	78.1	78.1	78.7	78.7	80.0	80.0	80.0
AI 900	14.2	72.9	78.1	79.4	80.0	80.0	80.0	80.7	80.7	81.3	81.3	82.6	82.6	82.6
AI 800	14.2	73.6	81.3	84.5	85.8	86.5	86.5	87.1	87.1	87.7	87.7	89.0	89.0	89.0
AI 700	14.2	73.6	82.6	85.8	87.7	88.4	88.4	89.0	89.0	89.7	89.7	91.0	91.0	91.0
AI 600	14.2	73.6	84.5	87.7	89.7	90.3	90.3	91.0	91.0	91.6	91.6	92.9	92.9	92.9
AI 500	14.2	74.2	85.2	88.4	91.0	92.3	92.3	92.9	92.9	93.6	93.6	94.8	94.8	94.8
AI 400	14.2	74.2	85.8	89.0	91.6	93.6	94.2	95.5	95.5	96.1	96.1	98.1	98.1	98.1
AI 300	14.2	74.2	85.8	89.0	91.6	93.6	94.2	95.5	95.5	96.1	96.1	98.7	98.7	98.7
AI 200	14.2	74.2	85.8	89.0	91.6	93.6	94.2	95.5	95.5	96.8	96.8	99.4	99.4	99.4
AI 100	14.2	74.2	85.8	89.0	91.6	93.6	94.2	95.5	95.5	96.8	96.8	99.4	99.4	99.4
AI 0	14.2	74.2	85.8	89.0	91.6	93.6	94.2	95.5	95.5	96.8	96.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
GROUPS (C, S, T, V)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	6.8	28.2	31.0	33.7	35.7	36.1	36.2	36.2	36.2	36.5	36.5
≥ 20000	7.7	29.4	32.3	35.1	37.0	37.5	37.5	37.6	37.6	37.8	37.8
AI 18000	7.7	29.5	32.4	35.2	37.1	37.6	37.6	37.7	37.7	37.9	37.9
AI 16000	7.7	29.5	32.4	35.2	37.1	37.6	37.6	37.7	37.7	37.9	37.9
AI 14000	7.7	29.5	32.4	35.2	37.1	37.6	37.6	37.7	37.7	37.9	37.9
AI 12000	7.7	29.7	32.6	35.3	37.3	37.7	37.7	37.8	37.8	38.1	38.1
AI 10000	8.2	30.3	33.2	36.0	37.9	38.4	38.4	38.5	38.5	38.7	38.7
AI 9000	8.2	30.3	33.2	36.0	37.9	38.4	38.4	38.5	38.5	38.7	38.7
AI 8000	8.8	31.1	34.0	36.7	38.6	39.1	39.1	39.2	39.2	39.4	39.4
AI 7000	8.8	31.1	34.0	36.7	38.6	39.1	39.1	39.2	39.2	39.4	39.4
AI 6000	9.0	31.4	34.3	37.0	39.0	39.4	39.4	39.5	39.5	39.8	39.8
AI 5000	9.0	31.5	34.4	37.2	39.1	39.6	39.6	39.7	39.7	39.9	39.9
AI 4500	9.3	32.2	35.1	37.8	39.8	40.2	40.2	40.3	40.3	40.6	40.6
AI 4000	9.3	32.4	35.3	38.1	40.0	40.5	40.5	40.6	40.6	40.8	40.8
AI 3500	9.8	33.6	36.5	39.2	41.1	41.6	41.6	41.7	41.7	41.9	41.9
AI 3000	11.8	38.6	41.6	44.4	46.3	46.8	46.8	46.9	46.9	47.1	47.1
AI 2500	14.5	45.8	50.2	53.0	54.9	55.4	55.4	55.5	55.5	55.7	55.7
AI 2000	14.9	53.6	57.6	60.8	62.9	63.5	63.5	63.6	63.6	63.8	63.8
AI 1800	15.0	55.4	59.5	62.8	65.0	65.6	65.6	65.7	65.7	65.9	65.9
AI 1500	15.5	62.4	67.3	70.9	73.3	73.9	74.0	74.1	74.1	74.4	74.4
AI 1200	15.6	64.7	70.2	74.1	76.7	77.3	77.5	77.6	77.6	77.8	77.8
AI 1000	15.6	68.3	74.8	79.7	82.7	83.4	83.7	83.8	83.8	84.0	84.0
AI 900	15.6	68.9	75.6	80.9	84.2	84.9	85.3	85.6	85.6	85.8	85.8
AI 800	15.6	69.4	77.2	82.9	86.8	87.6	88.2	88.4	88.4	88.8	88.8
AI 700	15.6	69.8	77.9	84.0	88.4	89.3	90.0	90.4	90.4	90.8	90.8
AI 600	15.6	69.9	78.4	84.8	89.4	90.5	91.2	91.6	91.6	92.0	92.1
AI 500	15.6	70.2	78.7	85.7	90.7	91.8	92.7	93.2	93.2	93.8	94.0
AI 400	15.6	70.2	79.0	86.0	91.1	92.3	93.6	94.3	94.3	94.8	95.1
AI 300	15.6	70.2	79.1	86.2	91.5	92.7	94.1	94.8	94.8	95.6	96.1
AI 200	15.6	70.2	79.1	86.2	91.7	92.9	94.5	95.4	95.4	96.3	97.0
AI 100	15.6	70.2	79.1	86.2	91.7	92.9	94.5	95.4	95.4	96.3	97.0
AI 0	15.6	70.2	79.1	86.2	91.7	92.9	94.5	95.4	95.4	96.3	97.0

TOTAL NUMBER OF OBSERVATIONS

1240

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.0	20.0	22.0	24.0	24.7	24.7	25.3	25.3	25.3	25.3	25.3	25.3	25.3	26.0	26.0
≥ 20000	4.0	20.7	22.7	24.7	25.3	25.3	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.7	26.7
≥ 18000	4.0	20.7	22.7	24.7	25.3	25.3	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.7	26.7
≥ 16000	4.0	20.7	22.7	24.7	25.3	25.3	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.7	26.7
≥ 14000	4.0	20.7	22.7	24.7	25.3	25.3	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.7	26.7
≥ 12000	4.0	20.7	22.7	24.7	25.3	25.3	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.7	26.7
≥ 10000	4.0	20.7	22.7	24.7	25.3	25.3	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.7	26.7
≥ 9000	4.0	20.7	22.7	24.7	25.3	25.3	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.7	26.7
≥ 8000	4.0	20.7	22.7	24.7	25.3	25.3	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.7	26.7
≥ 7000	4.0	20.7	22.7	24.7	25.3	25.3	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.7	26.7
≥ 6000	4.0	20.7	22.7	24.7	25.3	25.3	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.7	26.7
≥ 5000	4.0	21.3	23.3	26.0	26.7	26.7	27.3	27.3	27.3	27.3	27.3	27.3	27.3	28.0	28.0
≥ 4500	4.0	22.0	24.0	26.7	27.3	27.3	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.7	28.7
≥ 4000	4.0	22.0	24.0	26.7	27.3	27.3	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.7	28.7
≥ 3500	5.3	23.3	25.3	28.0	28.7	28.7	29.3	29.3	29.3	29.3	29.3	29.3	29.3	30.0	30.0
≥ 3000	5.3	24.7	26.7	29.3	30.0	30.0	30.7	30.7	30.7	30.7	30.7	30.7	30.7	31.3	31.3
≥ 2500	6.0	26.0	28.0	30.7	31.3	31.3	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.7	32.7
≥ 2000	6.7	27.3	29.3	32.0	32.7	32.7	33.3	33.3	33.3	33.3	33.3	33.3	33.3	34.0	34.0
≥ 1800	6.7	28.7	30.7	33.3	34.0	34.0	34.7	34.7	34.7	34.7	34.7	34.7	34.7	35.3	35.3
≥ 1500	7.3	36.0	38.7	41.3	42.0	42.0	42.7	42.7	42.7	42.7	42.7	42.7	42.7	43.3	43.3
≥ 1200	7.3	42.0	45.3	48.0	48.7	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	50.0	50.0
≥ 1000	7.3	50.0	56.7	61.3	62.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	63.3	63.3
≥ 900	7.3	50.0	57.3	62.0	62.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	64.0	64.0
≥ 800	7.3	50.7	58.0	64.7	65.3	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.3	67.3
≥ 700	7.3	52.0	63.3	72.0	73.3	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	75.3	75.3
≥ 600	7.3	54.0	68.0	79.3	81.3	81.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0	84.0
≥ 500	7.3	54.7	71.3	82.7	84.7	85.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	88.0	88.0
≥ 400	7.3	54.7	72.7	84.7	88.0	88.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	92.0	92.0
≥ 300	7.3	54.7	72.7	85.3	88.7	89.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.7	92.7
≥ 200	7.3	54.7	72.7	85.3	88.7	89.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	93.3	93.3
≥ 100	7.3	54.7	72.7	85.3	89.3	90.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	94.0	94.0
≥ 0	7.3	54.7	72.7	85.3	89.3	90.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	94.7	94.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATIONMIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

JUN
MONTH04
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	4.7	12.7	14.0	14.0	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
≥ 20000	4.7	12.7	14.0	14.0	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
≥ 18000	4.7	12.7	14.0	14.0	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
≥ 16000	4.7	12.7	14.0	14.0	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
≥ 14000	4.7	12.7	14.0	14.0	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
≥ 12000	4.7	13.3	14.7	14.7	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
≥ 10000	4.7	13.3	14.7	14.7	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
≥ 9000	4.7	13.3	14.7	14.7	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
≥ 8000	4.7	14.0	15.3	15.3	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
≥ 7000	4.7	14.0	15.3	15.3	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
≥ 6000	4.7	14.0	15.3	15.3	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
≥ 5000	4.7	14.0	15.3	15.3	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
≥ 4500	4.7	14.0	15.3	15.3	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
≥ 4000	4.7	14.0	15.3	15.3	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
≥ 3500	5.3	15.3	16.7	16.7	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
≥ 3000	5.3	16.7	18.0	18.0	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
≥ 2500	6.0	19.3	20.7	20.7	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
≥ 2000	6.7	22.7	24.0	24.0	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
≥ 1800	6.7	24.0	25.3	25.3	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
≥ 1500	7.3	30.0	32.0	32.0	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 1200	7.3	36.0	38.0	38.0	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 1000	7.3	42.0	47.3	49.3	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 900	7.3	43.3	48.7	51.3	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 800	7.3	45.3	51.3	56.0	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 700	7.3	46.0	55.3	60.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 600	7.3	47.3	58.0	65.3	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 500	7.3	48.7	62.7	72.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 400	7.3	48.7	62.7	73.3	79.3	80.0	81.3	81.3	81.3	82.0	82.0	82.0	82.0	82.0
≥ 300	7.3	48.7	62.7	74.0	80.7	81.3	82.7	82.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 200	7.3	48.7	62.7	74.7	83.3	84.0	85.3	85.3	88.0	88.7	88.7	88.7	88.7	88.7
≥ 100	7.3	48.7	62.7	74.7	84.0	84.7	86.0	86.0	90.7	91.3	91.3	91.3	91.3	92.0
≥ 0	7.3	48.7	62.7	74.7	84.0	84.7	86.0	86.0	90.7	91.3	91.3	91.3	91.3	93.3

TOTAL NUMBER OF OBSERVATIONS

150

2

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

JUN
MONTH

07
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	4.0	15.3	18.0	23.3	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.7	24.7	24.7
≥ 20000	4.0	16.0	18.7	24.0	24.7	24.7	24.7	24.7	24.7	24.7	24.7	25.3	25.3	25.3
≥ 18000	4.0	16.0	18.7	24.0	24.7	24.7	24.7	24.7	24.7	24.7	24.7	25.3	25.3	25.3
≥ 16000	4.0	16.0	18.7	24.0	24.7	24.7	24.7	24.7	24.7	24.7	24.7	25.3	25.3	25.3
≥ 14000	4.0	16.0	18.7	24.0	24.7	24.7	24.7	24.7	24.7	24.7	24.7	25.3	25.3	25.3
≥ 12000	4.0	16.0	18.7	24.0	24.7	24.7	24.7	24.7	24.7	24.7	24.7	25.3	25.3	25.3
≥ 10000	4.0	16.0	18.7	24.0	24.7	24.7	24.7	24.7	24.7	24.7	24.7	25.3	25.3	25.3
≥ 9000	4.0	16.0	18.7	24.0	24.7	24.7	24.7	24.7	24.7	24.7	24.7	25.3	25.3	25.3
≥ 8000	4.0	16.7	19.3	24.7	25.3	25.3	25.3	25.3	25.3	25.3	25.3	26.0	26.0	26.0
≥ 7000	4.0	16.7	19.3	24.7	25.3	25.3	25.3	25.3	25.3	25.3	25.3	26.0	26.0	26.0
≥ 6000	4.0	16.7	19.3	24.7	25.3	25.3	25.3	25.3	25.3	25.3	25.3	26.0	26.0	26.0
≥ 5000	4.0	16.7	19.3	24.7	25.3	25.3	25.3	25.3	25.3	25.3	25.3	26.0	26.0	26.0
≥ 4500	4.0	16.7	19.3	24.7	25.3	25.3	25.3	25.3	25.3	25.3	25.3	26.0	26.0	26.0
≥ 4000	4.7	17.3	20.0	25.3	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.7	26.7	26.7
≥ 3500	4.7	17.3	20.0	25.3	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.7	26.7	26.7
≥ 3000	4.7	18.7	21.3	26.7	27.3	27.3	27.3	27.3	27.3	27.3	27.3	28.0	28.0	28.0
≥ 2500	6.0	24.0	26.7	32.0	32.7	32.7	32.7	32.7	32.7	32.7	32.7	33.3	33.3	33.3
≥ 2000	6.7	27.3	30.0	35.3	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.7	36.7	36.7
≥ 1800	6.7	28.7	31.3	36.7	37.3	37.3	37.3	37.3	37.3	37.3	37.3	38.0	38.0	38.0
≥ 1500	6.7	35.3	40.0	46.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.7	48.7	48.7
≥ 1200	6.7	35.3	42.0	48.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	51.3	51.3	51.3
≥ 1000	6.7	40.0	48.7	54.7	58.7	59.3	59.3	59.3	59.3	59.3	59.3	60.0	60.0	60.0
≥ 900	6.7	40.0	49.3	56.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	62.0	62.0	62.0
≥ 800	6.7	40.0	50.0	58.7	65.3	66.7	66.7	66.7	66.7	66.7	66.7	69.3	69.3	69.3
≥ 700	6.7	40.0	50.0	59.3	70.0	72.0	72.0	72.0	72.0	72.0	72.0	75.3	75.3	75.3
≥ 600	6.7	40.0	50.0	60.0	71.3	74.7	74.7	74.7	74.7	74.7	74.7	81.3	81.3	81.3
≥ 500	6.7	40.0	50.7	60.7	74.0	77.3	77.3	77.3	77.3	77.3	77.3	87.3	87.3	87.3
≥ 400	6.7	40.0	50.7	60.7	74.7	78.0	78.0	78.0	78.0	78.0	78.0	92.7	92.7	92.7
≥ 300	6.7	40.0	50.7	60.7	74.7	78.0	78.0	78.0	78.0	78.0	78.0	95.3	95.3	95.3
≥ 200	6.7	40.0	50.7	60.7	74.7	78.0	78.0	78.0	78.0	78.0	78.0	97.3	97.3	97.3
≥ 100	6.7	40.0	50.7	60.7	74.7	78.0	78.0	78.0	78.0	78.0	78.0	98.7	98.7	98.7
0	6.7	40.0	50.7	60.7	74.7	78.0	78.0	78.0	78.0	78.0	78.0	98.7	98.7	98.7

150

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

2

5703 CEILING VERSUS VISIBILITY JAN 7

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION 93107 MIRAMAR, CALIFORNIA YEAR 73-77 MONTH JUN DAY 10 HOURS (LST) 10

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	6.7	38.7	56.0	61.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 20000	6.7	38.7	56.7	63.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 18000	6.7	38.7	56.7	63.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 16000	6.7	38.7	57.3	64.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 14000	6.7	38.7	57.3	64.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 12000	6.7	38.7	58.0	64.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 10000	6.7	38.7	58.0	64.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 9000	6.7	38.7	58.0	64.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 8000	6.7	38.7	58.0	64.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 7000	6.7	38.7	58.0	64.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 6000	6.7	38.7	58.0	64.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 5000	6.7	38.7	58.0	64.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4500	6.7	38.7	58.0	64.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4000	6.7	38.7	58.0	64.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 3500	6.7	38.7	58.0	64.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 3000	8.0	40.7	60.0	66.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 2500	10.0	46.0	65.3	72.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2000	10.7	48.0	67.3	74.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1800	10.7	48.7	68.7	75.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500	10.7	52.7	74.0	82.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1200	10.7	53.3	76.0	84.7	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	10.7	53.3	77.3	86.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 900	10.7	53.3	77.3	86.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	10.7	53.3	77.3	86.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	10.7	53.3	77.3	86.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	10.7	53.3	77.3	86.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	10.7	53.3	77.3	86.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	10.7	53.3	77.3	86.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 300	10.7	53.3	77.3	86.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 200	10.7	53.3	77.3	86.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 100	10.7	53.3	77.3	86.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
0	10.7	53.3	77.3	86.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS 150

2

2

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107 STATION 73-77 YEARS 13 MONTH 13 HOURS (LST)

0100

5703 CEILING VERSUS VISIBILITY JAN 78 0000

0000

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	16.7	60.0	71.3	75.7	79.3	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.3
≥ 20000	16.7	62.7	74.0	79.3	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0
18000	16.7	62.7	74.0	79.3	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0
16000	16.7	62.7	74.0	79.3	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0
14000	16.7	62.7	74.0	79.3	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0
12000	16.7	62.7	74.0	79.3	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0
10000	16.7	62.7	74.0	79.3	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0
8000	16.7	62.7	74.0	79.3	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0
7000	16.7	62.7	74.0	79.3	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0
6000	16.7	62.7	74.0	79.3	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0
5000	16.7	62.7	74.0	79.3	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0
4500	16.7	62.7	74.0	79.3	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0
4000	16.7	62.7	74.0	79.3	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0
3500	16.7	62.7	74.0	79.3	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0
3000	18.7	55.3	78.0	83.3	86.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	88.0
2500	18.7	57.3	80.0	85.3	88.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	90.0
2000	20.0	69.3	82.0	88.0	90.7	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.7
1800	20.0	70.7	84.0	90.0	92.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.7
1500	20.7	72.7	86.0	93.3	96.7	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.3
1200	20.7	72.7	86.0	93.3	96.7	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.3
1000	20.7	73.3	86.7	94.0	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0
900	20.7	73.3	86.7	94.0	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0
800	20.7	73.3	86.7	94.0	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0
700	20.7	73.3	86.7	94.0	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0
600	20.7	73.3	86.7	94.0	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0
500	20.7	73.3	86.7	94.0	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0
400	20.7	73.3	86.7	94.0	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0
300	20.7	73.3	86.7	94.0	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0
200	20.7	73.3	86.7	94.0	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0
100	20.7	73.3	86.7	94.0	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0
0	20.7	73.3	86.7	94.0	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅒	≥ 0
NO CEILING	18.7	70.0	73.3	75.0	78.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 20000	18.7	71.3	76.0	78.7	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 18000	18.7	71.3	76.0	78.7	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 16000	18.7	71.3	76.0	78.7	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 14000	18.7	71.3	76.0	78.7	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 12000	18.7	71.3	76.0	78.7	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 10000	18.7	71.3	76.0	78.7	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 9000	18.7	71.3	76.0	78.7	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
8000	18.7	71.3	76.0	78.7	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
7000	18.7	71.3	76.0	78.7	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
6000	18.7	71.3	76.0	78.7	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
5000	18.7	71.3	76.0	78.7	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
4500	18.7	71.3	76.0	78.7	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
4000	18.7	71.3	76.0	78.7	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
3500	18.7	71.3	76.0	78.7	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
3000	20.7	74.0	78.7	81.3	84.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
2500	21.3	76.0	80.7	83.3	86.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
2000	22.0	78.0	82.7	85.3	88.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
1800	22.0	78.7	83.3	86.0	89.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
1500	22.7	82.0	89.3	92.0	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1200	22.7	82.7	90.7	93.3	96.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	22.7	82.7	90.7	93.3	96.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	22.7	82.7	90.7	93.3	96.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800	22.7	82.7	90.7	93.3	96.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	22.7	82.7	90.7	94.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	22.7	82.7	90.7	94.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	22.7	82.7	90.7	94.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	22.7	82.7	90.7	94.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	22.7	82.7	90.7	94.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	22.7	82.7	90.7	94.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	22.7	82.7	90.7	94.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	22.7	82.7	90.7	94.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

TEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
YEARS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	12.7	52.7	56.7	58.0	58.7	58.7	59.3	59.3	59.3	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	12.7	54.7	59.3	60.7	62.0	62.7	63.3	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000	12.7	54.7	59.3	60.7	62.0	62.7	63.3	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7
≥ 16000	12.7	54.7	59.3	60.7	62.0	62.7	63.3	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7
≥ 14000	12.7	54.7	59.3	60.7	62.0	62.7	63.3	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000	12.7	55.3	60.0	61.3	62.7	63.3	64.0	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000	12.7	55.3	60.0	62.0	63.3	64.0	64.7	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0
≥ 9000	12.7	55.3	60.0	62.0	63.3	64.0	64.7	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0
≥ 8000	12.7	55.3	60.0	62.0	63.3	64.0	64.7	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0
≥ 7000	13.3	56.0	60.7	62.7	64.0	64.7	65.3	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7
≥ 6000	13.3	56.0	60.7	62.7	64.0	64.7	65.3	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7
≥ 5000	13.3	56.0	60.7	62.7	64.0	64.7	65.3	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4500	13.3	56.0	60.7	62.7	64.0	64.7	65.3	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000	13.3	56.0	60.7	62.7	64.0	64.7	65.3	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7
≥ 3500	13.3	56.0	60.7	62.7	64.0	64.7	65.3	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7
≥ 3000	14.0	58.7	63.3	65.3	66.7	67.3	68.0	68.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3
≥ 2500	14.0	61.3	66.0	68.0	69.3	70.0	70.7	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0
≥ 2000	15.3	63.3	68.0	70.0	71.3	72.0	72.7	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0
≥ 1800	15.3	63.3	70.0	72.0	73.3	74.0	74.7	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0
≥ 1500	15.3	70.7	76.0	78.0	79.3	80.0	80.7	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1200	15.3	74.0	80.7	83.3	84.7	85.3	86.0	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1000	15.3	79.3	86.7	90.7	92.7	93.3	94.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	15.3	80.7	88.0	92.0	94.0	94.7	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800	15.3	80.7	88.0	93.3	96.7	97.3	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	15.3	80.7	88.0	93.3	96.7	97.3	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	15.3	80.7	88.0	93.3	96.7	97.3	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	15.3	80.7	88.0	93.3	96.7	97.3	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	15.3	80.7	88.0	93.3	96.7	97.3	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	15.3	80.7	88.0	93.3	96.7	97.3	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	15.3	80.7	88.0	93.3	96.7	97.3	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	15.3	80.7	88.0	93.3	96.7	97.3	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	15.3	80.7	88.0	93.3	96.7	97.3	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	7.3	38.0	42.7	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 20000	7.3	38.7	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 18000	7.3	38.7	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 16000	7.3	38.7	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 14000	7.3	38.7	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 12000	7.3	39.3	44.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 10000	7.3	39.3	44.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 8000	7.3	39.3	44.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 7000	7.3	39.3	44.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 6000	7.3	39.3	44.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 5000	7.3	39.3	44.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 4500	7.3	40.0	45.3	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 4000	7.3	40.0	45.3	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 3500	8.0	40.7	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 3000	8.7	41.3	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 2500	8.7	41.3	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 2000	9.3	44.0	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 1800	9.3	44.7	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 1500	9.3	49.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 1200	9.3	55.3	62.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 1000	9.3	60.7	70.7	74.0	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 900	9.3	62.0	72.7	77.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 800	9.3	66.0	78.0	83.3	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 700	9.3	67.3	81.3	89.3	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 600	9.3	67.3	81.3	89.3	91.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 500	9.3	68.0	82.7	90.7	92.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 400	9.3	68.7	83.3	92.0	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 300	9.3	68.7	83.3	92.0	94.0	94.7	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥ 200	9.3	68.7	83.3	92.0	94.0	94.7	95.3	95.3	95.3	96.7	96.7	96.7	96.7	96.7
≥ 100	9.3	68.7	83.3	92.0	94.0	94.7	95.3	95.3	95.3	96.7	96.7	96.7	96.7	96.7
0	9.3	68.7	83.3	92.0	94.0	94.7	95.3	95.3	95.3	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

JUN
MONTH

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	9.3	38.6	44.3	47.1	48.5	48.8	49.1	49.1	49.1	49.2	49.2	49.2	49.3	49.3	49.4
≥ 20000	9.3	39.6	45.7	46.7	50.3	50.8	51.0	51.1	51.1	51.2	51.2	51.2	51.3	51.3	51.4
≥ 18000	9.3	39.6	45.7	48.7	50.3	50.8	51.0	51.1	51.1	51.2	51.2	51.2	51.3	51.3	51.4
≥ 16000	9.3	39.6	45.6	48.8	50.4	50.8	51.1	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.5
≥ 14000	9.3	39.6	45.8	48.8	50.5	50.9	51.2	51.3	51.3	51.3	51.3	51.3	51.4	51.4	51.6
≥ 12000	9.3	39.7	46.2	49.2	50.8	51.3	51.5	51.6	51.6	51.7	51.7	51.7	51.8	51.8	51.9
≥ 10000	9.3	39.7	46.2	49.3	50.9	51.3	51.6	51.7	51.7	51.8	51.8	51.8	51.8	51.9	52.0
≥ 9000	9.3	39.7	46.2	49.3	50.9	51.3	51.6	51.7	51.7	51.8	51.8	51.8	51.8	51.9	52.0
≥ 8000	9.3	39.8	46.3	49.5	51.2	51.6	51.8	51.9	51.9	52.0	52.0	52.0	52.1	52.2	52.3
≥ 7000	9.4	39.9	46.4	49.6	51.3	51.7	51.9	52.0	52.0	52.1	52.1	52.1	52.2	52.3	52.3
≥ 6000	9.4	39.9	46.4	49.6	51.3	51.7	51.9	52.0	52.0	52.1	52.1	52.1	52.2	52.3	52.4
≥ 5000	9.4	40.0	46.5	49.7	51.3	51.8	52.0	52.1	52.1	52.2	52.2	52.2	52.3	52.3	52.4
≥ 4500	9.4	40.2	46.7	49.8	51.5	51.9	52.2	52.3	52.3	52.3	52.3	52.4	52.4	52.5	52.6
≥ 4000	9.5	40.3	46.8	50.0	51.7	52.1	52.3	52.4	52.4	52.5	52.5	52.6	52.6	52.7	52.8
≥ 3500	9.8	40.7	47.2	50.3	52.0	52.4	52.7	52.8	52.8	52.8	52.8	52.9	52.9	53.0	53.1
≥ 3000	10.7	42.5	49.1	52.3	53.9	54.3	54.6	54.7	54.7	54.8	54.8	54.8	54.8	54.9	55.0
≥ 2500	11.3	45.2	51.8	54.9	56.6	57.0	57.3	57.3	57.3	57.4	57.4	57.4	57.5	57.6	57.7
≥ 2000	12.2	47.5	54.1	57.4	59.2	59.6	59.8	59.9	59.9	60.0	60.0	60.0	60.1	60.2	60.3
≥ 1800	12.2	48.7	55.4	58.8	60.3	61.0	61.3	61.3	61.3	61.4	61.4	61.4	61.5	61.6	61.7
≥ 1500	12.5	53.6	61.4	65.1	67.3	67.8	68.2	68.3	68.3	68.3	68.3	68.3	68.4	68.5	68.6
≥ 1200	12.5	56.4	65.2	69.2	71.6	72.1	72.5	72.6	72.6	72.7	72.7	72.7	72.8	72.8	72.9
≥ 1000	12.5	60.2	70.6	75.4	78.4	79.1	79.9	80.0	80.0	80.1	80.1	80.1	80.2	80.3	80.3
≥ 900	12.5	60.7	71.3	76.7	79.7	80.3	81.3	81.3	81.3	81.4	81.4	81.4	81.5	81.6	81.7
≥ 800	12.5	61.5	72.5	78.8	82.4	83.2	84.4	84.5	84.5	84.6	84.6	84.6	84.7	84.8	84.8
≥ 700	12.5	61.9	74.1	81.2	85.5	86.4	87.6	87.8	87.8	87.9	87.9	87.9	88.0	88.1	88.2
≥ 600	12.5	62.3	75.0	82.8	87.3	88.5	90.2	90.3	90.3	90.5	90.5	90.5	90.6	90.7	90.8
≥ 500	12.5	62.7	76.3	84.3	89.3	90.6	92.6	92.7	92.8	93.0	93.0	93.0	93.1	93.2	93.3
≥ 400	12.5	62.8	76.5	84.8	90.4	91.7	94.0	94.3	94.3	94.8	94.8	94.8	95.1	95.2	95.3
≥ 300	12.5	62.8	76.5	85.0	90.7	91.9	94.3	94.5	94.7	95.6	95.7	95.7	95.9	96.1	96.2
≥ 200	12.5	62.8	76.5	85.1	91.0	92.3	94.6	94.9	95.1	96.2	96.5	96.5	96.9	97.1	97.3
≥ 100	12.5	62.8	76.5	85.1	91.2	92.4	94.8	95.1	95.3	96.6	96.9	96.9	97.5	98.0	98.5
0	12.5	62.8	76.5	85.1	91.2	92.4	94.8	95.1	95.3	96.6	96.9	96.9	97.5	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

93107 MIRAMAR, CALIFORNIA

73-77

STATION NAME

YEAR

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
≥ 5000													
≥ 4500													
≥ 4000													
≥ 3500													
≥ 3000													
≥ 2500													
≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107 STATION

MIRAMAR, CALIFORNIA

73-77

STATION NAME

YEARS

JUL

MORNING

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000		12.9	18.1	18.1	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
18000		12.9	18.1	18.1	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
16000		12.9	18.1	18.1	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
14000		12.9	18.1	18.1	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
12000		12.9	18.1	18.1	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
10000		13.6	18.7	18.7	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
9000		13.6	18.7	18.7	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
8000		13.6	18.7	18.7	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
7000		13.6	18.7	18.7	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
6000		13.6	18.7	18.7	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
5000		14.2	19.4	19.4	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
4500		14.2	19.4	19.4	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
4000		14.2	19.4	19.4	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
3500		14.8	20.0	20.0	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
3000		14.8	20.0	20.0	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
2500		15.5	20.7	20.7	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
2000		16.1	21.3	21.3	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
1800		16.8	22.6	22.6	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
1500		20.7	26.5	26.5	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
1200	.7	27.1	33.6	33.6	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
1000	.7	38.7	46.5	49.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
900	.7	40.0	49.0	51.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
800	.7	43.2	54.2	58.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
700	.7	47.1	60.0	66.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
600	.7	48.4	63.2	72.3	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
500	.7	48.4	64.5	75.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
400	.7	48.4	66.5	77.4	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
300	.7	48.4	66.5	78.1	87.1	89.0	90.3	90.3	90.3	91.0	91.0	91.6	92.3
200	.7	48.4	66.5	78.1	88.4	90.3	91.6	91.6	91.6	92.3	92.3	92.9	94.8
100	.7	48.4	66.5	78.1	88.4	90.3	91.6	91.6	91.6	92.3	92.3	92.9	95.5
0	.7	48.4	66.5	78.1	88.4	90.3	91.6	91.6	91.6	92.3	92.3	92.9	95.5

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

93107
STATIONMIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

JUL
MONTH07
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	.7	8.6	13.6	17.4	17.4	18.1	18.1	18.7	18.7	18.7	18.7	18.7	18.7	18.7
≥ 20000	.7	9.0	14.2	18.1	18.1	18.7	18.7	19.4	19.4	19.4	19.4	19.4	19.4	19.4
≥ 18000	.7	9.0	14.2	18.1	18.1	18.7	18.7	19.4	19.4	19.4	19.4	19.4	19.4	19.4
≥ 16000	.7	9.0	14.2	18.1	18.1	18.7	18.7	19.4	19.4	19.4	19.4	19.4	19.4	19.4
≥ 14000	.7	9.0	14.2	18.1	18.1	18.7	18.7	19.4	19.4	19.4	19.4	19.4	19.4	19.4
≥ 12000	.7	10.3	16.8	21.3	21.9	22.6	22.6	23.2	23.2	23.2	23.2	23.2	23.2	23.2
≥ 10000	.7	11.6	18.1	23.2	23.9	24.5	24.5	25.2	25.2	25.8	25.8	25.8	25.8	25.8
≥ 9000	.7	11.6	18.7	23.9	24.5	25.2	25.2	25.8	25.8	26.5	26.5	26.5	26.5	26.5
≥ 8000	.7	11.6	18.7	23.9	24.5	25.2	25.2	25.8	25.8	26.5	26.5	26.5	26.5	26.5
≥ 7000	.7	11.6	18.7	23.9	24.5	25.2	25.2	25.8	25.8	26.5	26.5	26.5	26.5	26.5
≥ 6000	.7	12.3	19.4	24.5	25.2	25.8	25.8	26.5	26.5	27.1	27.1	27.1	27.1	27.1
≥ 5000	.7	12.9	20.0	25.2	25.8	26.5	26.5	27.1	27.1	27.7	27.7	27.7	27.7	27.7
≥ 4500	.7	12.9	20.0	25.2	25.8	26.5	26.5	27.1	27.1	27.7	27.7	27.7	27.7	27.7
≥ 4000	.7	12.9	20.0	25.2	25.8	26.5	26.5	27.1	27.1	27.7	27.7	27.7	27.7	27.7
≥ 3500	.7	12.9	20.0	25.2	25.8	26.5	26.5	27.1	27.1	27.7	27.7	27.7	27.7	27.7
≥ 3000	.7	12.9	20.0	25.2	25.8	26.5	26.5	27.1	27.1	27.7	27.7	27.7	27.7	27.7
≥ 2500	.7	13.6	20.7	25.8	26.5	27.1	27.1	27.7	27.7	28.4	28.4	28.4	28.4	28.4
≥ 2000	.7	16.1	23.2	28.4	29.0	29.7	30.3	31.0	31.0	31.6	31.6	31.6	31.6	31.6
≥ 1800	.7	16.8	23.9	29.0	29.7	30.3	31.0	31.6	31.6	32.3	32.3	32.3	32.3	32.3
≥ 1500	.7	23.2	32.3	37.4	38.1	38.7	39.4	40.0	40.0	40.7	40.7	40.7	40.7	40.7
≥ 1200	.7	26.5	38.1	43.2	44.5	45.2	45.8	46.5	46.5	47.1	47.1	47.1	47.1	47.1
≥ 1000	.7	28.4	44.5	51.6	53.6	54.2	54.8	55.5	55.5	56.1	56.1	56.1	56.1	56.1
≥ 900	.7	29.7	46.5	56.1	60.0	60.7	61.3	61.9	61.9	62.6	62.6	62.6	62.6	62.6
≥ 800	.7	29.7	48.4	58.7	63.9	64.5	65.2	65.8	65.8	66.5	66.5	66.5	66.5	66.5
≥ 700	.7	30.3	50.3	61.9	68.4	69.0	71.0	71.6	71.6	72.3	72.3	72.3	72.3	72.3
≥ 600	.7	30.3	51.0	63.9	72.9	74.2	76.8	78.1	78.1	78.7	78.7	79.4	79.4	79.4
≥ 500	.7	30.3	51.0	63.9	74.2	75.5	78.1	80.0	80.0	80.7	80.7	81.3	81.3	81.3
≥ 400	.7	30.3	51.0	64.5	76.8	78.7	81.9	86.5	86.5	87.1	87.1	87.7	87.7	87.7
≥ 300	.7	30.3	51.0	64.5	76.8	79.4	85.2	91.0	91.0	92.3	92.9	94.8	95.5	95.5
≥ 200	.7	30.3	51.0	64.5	76.8	79.4	85.8	91.6	91.6	94.2	94.8	97.4	98.1	98.7
≥ 100	.7	30.3	51.0	64.5	76.8	79.4	85.8	91.6	91.6	94.2	94.8	97.4	98.1	98.7
0	.7	30.3	51.0	64.5	76.8	79.4	85.8	91.6	91.6	94.2	94.8	97.4	98.1	98.7

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

JUL
MONTH

10
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	7	49.0	60.7	67.7	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9
≥ 20000	7	51.6	63.2	71.6	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8
AI 18000	7	52.3	63.9	72.3	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4
AI 16000	7	52.3	63.9	72.3	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4
AI 14000	7	52.3	64.5	72.9	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1
AI 12000	7	55.5	68.4	76.8	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9
AI 10000	7	56.1	69.0	77.4	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6
AI 9000	7	56.1	69.0	77.4	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6
AI 8000	7	57.4	70.3	78.7	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9
AI 7000	7	57.4	70.3	78.7	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9
AI 6000	7	57.4	70.3	78.7	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9
AI 5000	7	57.4	70.3	78.7	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9
AI 4500	7	57.4	70.3	78.7	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9
AI 4000	7	57.4	70.3	78.7	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9
AI 3500	7	57.4	70.3	78.7	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9
AI 3000	7	57.4	70.3	78.7	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9
AI 2500	7	57.4	70.3	78.7	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9
AI 2000	7	60.0	72.9	81.3	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1
AI 1800	7	60.0	73.6	81.9	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7
AI 1500	7	63.9	78.1	87.1	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6
AI 1200	7	64.5	80.0	89.0	94.8	95.5	96.8	96.8	96.8	96.8	96.8	96.8
AI 1000	7	64.5	80.0	89.0	95.5	96.8	98.1	98.1	98.1	98.1	98.1	98.1
AI 900	7	64.5	80.0	89.0	95.5	96.8	98.1	98.1	98.1	98.1	98.1	98.1
AI 800	7	64.5	80.0	89.7	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4
AI 700	7	64.5	80.0	89.7	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4
AI 600	7	64.5	80.0	89.7	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4
AI 500	7	64.5	80.0	89.7	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4
AI 400	7	64.5	80.0	89.7	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4
AI 300	7	64.5	80.0	89.7	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4
AI 200	7	64.5	80.0	89.7	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4
AI 100	7	64.5	80.0	89.7	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4
AI 0	7	64.5	80.0	89.7	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	3.2	68.6	73.6	78.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 20000	3.2	72.3	77.4	82.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
18000	3.2	72.3	77.4	82.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
16000	3.2	72.3	77.4	82.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
14000	3.2	72.9	78.1	83.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
12000	3.2	77.4	82.6	87.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
10000	3.2	78.7	83.9	89.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
9000	3.2	79.4	84.5	89.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
8000	3.2	80.0	85.8	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
7000	3.2	80.0	85.8	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
6000	3.2	80.0	85.8	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
5000	3.2	80.0	85.8	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
4500	3.2	80.0	85.8	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
4000	3.2	80.0	85.8	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
3500	3.2	80.0	85.8	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
3000	3.2	80.0	85.8	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2500	3.2	80.7	86.5	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
2000	3.2	80.7	86.5	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
1800	3.2	81.3	87.1	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1500	3.2	83.2	89.0	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1200	3.2	83.9	89.7	94.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1000	3.2	83.9	89.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
900	3.2	83.9	89.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
800	3.2	83.9	90.3	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	3.2	83.9	90.3	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	3.2	83.9	90.3	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	3.2	83.9	90.3	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	3.2	83.9	90.3	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	3.2	83.9	90.3	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	3.2	83.9	90.3	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	3.2	83.9	90.3	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	3.2	83.9	90.3	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 135

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

92107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

JUL
MONTH

16
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	6.5	65.2	72.3	75.3	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 20000	7.1	69.0	76.1	80.0	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 18000	7.1	69.7	76.8	80.7	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 16000	7.1	69.7	76.8	80.7	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 14000	7.1	71.0	78.1	81.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 12000	7.1	73.6	80.7	84.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 10000	7.1	74.8	81.9	85.8	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 9000	7.1	74.8	81.9	85.8	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
8000	7.1	76.8	83.9	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
7000	7.1	76.8	83.9	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
6000	7.1	76.8	83.9	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
5000	7.1	76.8	83.9	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
4500	7.1	76.8	83.9	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
4000	7.1	76.8	83.9	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
3500	7.1	76.8	83.9	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
3000	7.1	76.8	83.9	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2500	7.1	77.4	84.5	88.4	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2000	7.7	78.7	85.8	89.7	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1800	7.7	78.7	85.8	89.7	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1500	7.7	83.2	90.3	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1200	7.7	83.9	91.6	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1000	7.7	84.5	92.3	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
900	7.7	84.5	92.3	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
800	7.7	85.2	92.9	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	7.7	85.2	92.9	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	7.7	85.2	92.9	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	7.7	85.2	92.9	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	7.7	85.2	92.9	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	7.7	85.2	92.9	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	7.7	85.2	92.9	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	7.7	85.2	92.9	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	7.7	85.2	92.9	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

93107
STATIONMIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

JUL
MONTH

19

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	5.2	58.7	64.5	66.5	67.7	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4
≥ 20000	5.2	65.8	71.0	73.6	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5
≥ 18000	5.2	65.8	71.0	73.6	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5
≥ 16000	5.2	65.8	71.0	73.6	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5
≥ 14000	5.2	66.5	72.9	74.8	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8
≥ 12000	5.2	67.1	73.6	76.1	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 10000	5.2	67.1	73.6	76.1	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 9000	5.2	67.1	73.6	76.1	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 8000	5.2	68.4	74.8	77.4	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000	5.2	68.4	74.8	77.4	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	5.2	68.4	74.8	77.4	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000	5.2	68.4	74.8	77.4	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	5.2	68.4	74.8	77.4	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000	5.2	68.4	74.8	77.4	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	5.2	68.4	74.8	77.4	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	5.2	68.4	74.8	77.4	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	5.2	68.4	74.8	77.4	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2000	5.2	68.4	74.8	77.4	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1800	5.2	69.0	75.5	78.1	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500	5.8	71.0	77.4	80.0	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1200	5.8	76.1	83.7	86.5	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1000	5.8	80.0	89.0	91.6	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	5.8	80.0	91.6	94.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	5.8	80.0	91.6	94.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	5.8	80.0	92.3	96.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	5.8	80.0	92.3	96.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	5.8	80.0	92.3	96.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	5.8	80.0	92.3	96.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	5.8	80.0	92.3	96.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	5.8	80.0	92.3	96.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	5.8	80.0	92.3	96.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
0	5.8	80.0	92.3	96.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING		43.9	47.7	51.0	51.6	51.6	51.6	51.6	51.6	52.3	52.3
≥ 20000		43.9	47.7	51.0	51.6	51.6	51.6	51.6	51.6	52.3	52.3
18000		43.9	47.7	51.0	51.6	51.6	51.6	51.6	51.6	52.3	52.3
16000		43.9	47.7	51.0	51.6	51.6	51.6	51.6	51.6	52.3	52.3
14000		44.5	48.4	51.6	52.3	52.3	52.3	52.3	52.3	52.9	52.9
12000		45.2	49.0	52.9	53.6	53.6	53.6	53.6	53.6	54.2	54.2
10000		45.8	49.7	53.6	54.2	54.2	54.2	54.2	54.2	54.8	54.8
9000		45.8	49.7	53.6	54.2	54.2	54.2	54.2	54.2	54.8	54.8
8000		45.8	49.7	53.6	54.2	54.2	54.2	54.2	54.2	54.8	54.8
7000		45.8	49.7	53.6	54.2	54.2	54.2	54.2	54.2	54.8	54.8
6000		45.8	49.7	53.6	54.2	54.2	54.2	54.2	54.2	54.8	54.8
5000		46.5	50.3	54.2	55.5	55.5	55.5	55.5	55.5	56.1	56.1
4500		46.5	50.3	54.2	55.5	55.5	55.5	55.5	55.5	56.1	56.1
4000		46.5	50.3	54.2	55.5	55.5	55.5	55.5	55.5	56.1	56.1
3500		46.5	50.3	54.2	55.5	55.5	55.5	55.5	55.5	56.1	56.1
3000		46.5	50.3	54.2	55.5	55.5	55.5	55.5	55.5	56.1	56.1
2500		47.1	51.0	54.8	56.1	56.1	56.1	56.1	56.1	56.8	56.8
2000		49.0	52.9	56.8	58.1	58.1	58.1	58.1	58.1	58.7	58.7
1800	1.3	52.9	56.8	60.7	61.9	61.9	61.9	61.9	61.9	62.6	62.6
1500	1.3	59.4	63.2	67.1	68.4	68.4	68.4	68.4	68.4	69.0	69.0
1200	1.3	71.0	76.1	80.0	81.3	81.3	81.3	81.3	81.3	81.9	81.9
1000	1.3	72.9	78.7	82.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2
900	1.3	74.2	80.0	85.8	87.7	87.7	87.7	87.7	87.7	89.0	89.0
800	1.3	74.2	80.0	85.8	87.7	87.7	87.7	87.7	87.7	89.0	89.0
700	1.3	74.2	81.9	88.4	90.3	90.3	90.3	91.0	91.0	91.6	91.6
600	1.3	74.2	82.6	91.0	92.9	92.9	92.9	93.6	93.6	94.2	94.2
500	1.3	75.5	83.9	92.9	94.8	94.8	94.8	95.5	95.5	96.8	96.8
400	1.3	76.8	85.2	95.5	97.4	97.4	97.4	98.1	98.1	99.4	99.4
300	1.3	76.8	85.2	95.5	97.4	97.4	97.4	98.1	98.1	99.4	99.4
200	1.3	76.8	85.2	95.5	97.4	97.4	97.4	98.1	98.1	99.4	99.4
100	1.3	76.8	85.2	95.5	97.4	97.4	97.4	98.1	98.1	99.4	99.4
0	1.3	76.8	85.2	95.5	97.4	97.4	97.4	98.1	98.1	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
MOON (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.0	40.5	46.3	49.0	51.4	51.5	51.0	51.8	51.8	51.8	51.9	51.9	51.9	51.9	52.0
≥ 20000	2.1	42.7	48.6	52.3	53.9	54.0	54.1	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.5
≥ 18000	2.1	42.9	48.7	52.4	54.0	54.2	54.3	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.7
≥ 16000	2.1	42.9	48.7	52.4	54.0	54.2	54.3	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.7
≥ 14000	2.1	43.4	49.4	53.2	54.8	55.0	55.1	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.5
≥ 12000	2.1	45.3	51.5	55.5	57.2	57.3	57.4	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.8
≥ 10000	2.1	46.1	52.4	56.5	58.2	58.3	58.4	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.9
≥ 9000	2.1	46.2	52.6	56.6	58.3	58.5	58.6	58.7	58.7	58.8	58.9	58.9	58.9	58.9	59.0
≥ 8000	2.1	46.9	53.3	57.3	59.0	59.2	59.4	59.5	59.5	59.6	59.7	59.7	59.7	59.7	59.8
≥ 7000	2.1	46.9	53.3	57.3	59.0	59.2	59.4	59.5	59.5	59.6	59.7	59.7	59.7	59.7	59.8
≥ 6000	2.1	46.9	53.3	57.3	59.0	59.2	59.4	59.5	59.5	59.6	59.7	59.7	59.7	59.7	59.8
≥ 5000	2.1	47.3	53.7	57.7	59.5	59.7	59.8	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.3
≥ 4500	2.1	47.3	53.7	57.7	59.5	59.7	59.8	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.3
≥ 4000	2.1	47.3	53.7	57.7	59.5	59.7	59.8	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.3
≥ 3500	2.1	47.3	53.8	57.8	59.6	59.8	59.9	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.4
≥ 3000	2.1	47.3	53.8	57.8	59.6	59.8	59.9	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.4
≥ 2500	2.1	47.7	54.1	58.2	59.9	60.1	60.2	60.4	60.4	60.5	60.6	60.6	60.6	60.6	60.7
≥ 2000	2.2	48.6	55.1	59.1	60.9	61.1	61.3	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.8
≥ 1800	2.2	49.3	55.9	59.9	61.7	61.9	62.1	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.6
≥ 1500	2.4	53.3	60.2	64.4	66.2	66.5	66.6	66.8	66.8	66.9	66.9	66.9	66.9	66.9	67.1
≥ 1200	2.6	57.1	65.0	69.2	71.3	71.5	71.8	71.9	71.9	72.0	72.1	72.1	72.1	72.1	72.3
≥ 1000	2.6	62.4	71.6	76.5	78.9	79.2	79.4	79.6	79.6	79.7	79.8	79.8	79.8	79.8	79.9
≥ 900	2.6	63.4	73.2	78.4	81.2	81.5	81.8	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.3
≥ 800	2.6	64.6	75.5	81.7	85.2	85.5	85.7	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.3
≥ 700	2.6	65.3	77.3	84.2	87.9	88.2	88.6	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.2
≥ 600	2.6	65.7	78.1	86.1	90.2	90.6	91.1	91.4	91.5	91.6	91.6	91.7	91.7	91.7	91.9
≥ 500	2.6	66.0	78.9	87.4	91.9	92.3	92.9	93.4	93.4	93.5	93.7	93.8	93.8	93.8	94.0
≥ 400	2.6	66.1	79.3	88.2	93.3	94.0	94.7	95.5	95.5	95.6	95.8	95.9	95.9	95.9	96.1
≥ 300	2.6	66.1	79.3	88.3	93.7	94.6	95.7	96.7	96.7	97.0	97.3	97.8	97.9	98.0	98.2
≥ 200	2.6	66.1	79.3	88.3	93.9	94.8	96.0	96.9	96.9	97.4	97.7	98.4	98.5	98.8	99.0
≥ 100	2.6	66.1	79.3	88.4	94.0	94.8	96.1	97.1	97.1	97.6	98.0	98.6	98.7	99.1	99.4
0	2.6	66.1	79.3	88.4	94.0	94.8	96.1	97.1	97.1	97.6	98.0	98.6	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS

1240

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107

MIRAMAR, CALIFORNIA

73-77

AUG

STATION

STATION NAME

YEARS

MORNING

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 10
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.9	16.1	21.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
≥ 20000	3.9	16.8	23.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 18000	3.9	16.8	23.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 16000	3.9	16.8	23.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 14000	3.9	16.8	23.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 12000	3.9	16.8	23.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 10000	3.9	17.4	24.5	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 9000	3.9	17.4	24.5	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 8000	3.9	17.4	24.5	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 7000	3.9	17.4	24.5	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 6000	3.9	17.4	24.5	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 5000	3.9	17.4	24.5	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 4500	3.9	17.4	24.5	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 4000	3.9	18.1	25.2	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 3500	3.9	18.1	25.2	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 3000	3.9	18.1	25.2	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 2500	4.5	20.7	27.7	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 2000	5.2	21.9	29.0	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 1800	6.5	23.9	31.0	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 1500	6.5	28.4	35.5	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 1200	6.5	31.0	38.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 1000	6.5	38.1	47.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 900	6.5	39.4	51.0	54.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 800	6.5	43.9	59.4	63.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 700	6.5	45.2	60.7	67.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 600	6.5	48.4	64.5	72.3	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 500	6.5	49.7	67.7	78.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 400	6.5	50.3	69.0	80.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 300	6.5	50.3	69.0	80.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 200	6.5	50.3	69.0	80.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 100	6.5	50.3	69.0	81.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
0	6.5	50.3	69.0	81.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107

MIRAMAR, CALIFORNIA

73-77

AUG

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04

MOUSE (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	2.6	7.1	9.7	9.7	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	11.0	11.0
≥ 20000	2.6	7.7	10.3	10.3	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.6	11.6
≥ 18000	2.6	7.7	10.3	10.3	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.6	11.6
≥ 16000	2.6	7.7	10.3	10.3	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.6	11.6
≥ 14000	2.6	7.7	10.3	10.3	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.6	11.6
≥ 12000	2.6	7.7	10.3	11.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	12.3	12.3
≥ 10000	2.6	8.4	11.0	11.6	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.9	12.9
≥ 9000	2.6	8.4	11.0	11.6	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.9	12.9
≥ 8000	2.6	8.4	11.0	11.6	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.9	12.9
≥ 7000	2.6	8.4	11.0	11.6	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	13.6	13.6
≥ 6000	2.6	8.4	11.0	11.6	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	13.6	13.6
≥ 5000	2.6	8.4	11.0	11.6	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	13.6	13.6
≥ 4500	2.6	8.4	11.0	11.6	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	13.6	13.6
≥ 4000	2.6	8.4	11.0	11.6	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	13.6	13.6
≥ 3500	2.6	8.4	11.0	11.6	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	13.6	13.6
≥ 3000	2.6	8.4	11.0	11.6	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	13.6	13.6
≥ 2500	3.9	11.0	13.6	14.2	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	16.1	16.1
≥ 2000	4.5	14.2	16.8	17.4	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	19.4	19.4
≥ 1800	4.5	15.5	18.1	18.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.7	20.7
≥ 1500	5.2	19.4	22.6	23.2	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	25.2	25.2
≥ 1200	5.2	20.7	23.9	24.5	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	26.5	26.5
≥ 1000	5.2	29.0	35.5	36.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.7	38.7
≥ 900	5.2	30.3	36.8	37.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	40.0	40.0
≥ 800	5.2	36.1	43.9	46.5	49.0	49.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	51.0	51.0
≥ 700	5.2	37.4	49.7	54.2	57.4	57.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.4	59.4
≥ 600	5.8	38.7	51.6	57.4	61.9	61.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.5	64.5
≥ 500	5.8	39.4	55.5	63.9	71.6	71.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	76.1	76.1
≥ 400	5.8	40.0	57.4	65.8	74.8	74.8	78.7	78.7	78.7	78.7	78.7	78.7	78.7	80.7	80.7
≥ 300	5.8	40.0	58.7	67.1	77.4	77.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	87.1	87.1
≥ 200	5.8	40.0	58.7	67.1	78.7	78.7	84.5	84.5	84.5	84.5	84.5	84.5	84.5	89.7	89.7
≥ 100	5.8	40.0	58.7	67.1	78.7	78.7	84.5	84.5	84.5	84.5	84.5	84.5	84.5	92.3	92.3
≥ 0	5.8	40.0	58.7	67.1	78.7	78.7	84.5	84.5	84.5	84.5	84.5	84.5	84.5	92.9	92.9

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING	3.9	9.0	12.9	13.6	14.2	14.8	14.8	14.8	14.8	14.8	15.5	15.5	15.5	16.1	16.1	16.1
≥ 20000	4.5	9.7	13.6	14.2	14.8	15.5	15.5	15.5	15.5	15.5	16.1	16.1	16.1	16.8	16.8	16.8
≥ 18000	4.5	9.7	13.6	14.2	14.8	15.5	15.5	15.5	15.5	15.5	16.1	16.1	16.1	16.8	16.8	16.8
≥ 16000	4.5	9.7	13.6	14.2	14.8	15.5	15.5	15.5	15.5	15.5	16.1	16.1	16.1	16.8	16.8	16.8
≥ 14000	4.5	9.7	13.6	14.2	14.8	15.5	15.5	15.5	15.5	15.5	16.1	16.1	16.1	16.8	16.8	16.8
≥ 12000	4.5	9.7	13.6	14.2	14.8	15.5	15.5	15.5	15.5	15.5	16.1	16.1	16.1	16.8	16.8	16.8
≥ 10000	4.5	11.0	14.8	15.5	16.1	16.1	16.1	16.1	16.1	16.1	16.8	16.8	16.8	17.4	17.4	17.4
≥ 9000	4.5	11.0	14.8	15.5	16.1	16.1	16.1	16.1	16.1	16.1	16.8	16.8	16.8	17.4	17.4	17.4
≥ 8000	4.5	11.0	14.8	15.5	16.1	16.1	16.1	16.1	16.1	16.1	16.8	16.8	16.8	17.4	17.4	17.4
≥ 7000	4.5	11.0	14.8	15.5	16.1	16.1	16.1	16.1	16.1	16.1	16.8	16.8	16.8	17.4	17.4	17.4
≥ 6000	4.5	11.0	14.8	15.5	16.1	16.1	16.1	16.1	16.1	16.1	16.8	16.8	16.8	17.4	17.4	17.4
≥ 5000	4.5	11.0	14.8	15.5	16.1	16.1	16.1	16.1	16.1	16.1	16.8	16.8	16.8	17.4	17.4	17.4
≥ 4500	4.5	11.0	14.8	15.5	16.1	16.1	16.1	16.1	16.1	16.1	16.8	16.8	16.8	17.4	17.4	17.4
≥ 4000	5.2	11.6	15.5	16.8	17.4	17.4	17.4	17.4	17.4	17.4	18.7	18.7	18.7	19.4	19.4	19.4
≥ 3500	5.8	12.3	16.1	17.4	18.1	18.1	18.1	18.1	18.1	18.1	19.4	19.4	19.4	20.0	20.0	20.0
≥ 3000	5.8	12.3	16.1	17.4	18.1	18.1	18.1	18.1	18.1	18.1	19.4	19.4	19.4	20.0	20.0	20.0
≥ 2500	6.5	14.8	18.7	20.0	20.7	22.6	22.6	22.6	22.6	22.6	23.2	23.2	23.2	23.9	23.9	23.9
≥ 2000	6.5	16.8	21.3	22.6	23.2	25.2	25.2	25.2	25.2	25.2	25.8	25.8	25.8	26.5	26.5	26.5
≥ 1800	6.5	16.1	22.6	23.9	24.5	26.5	26.5	26.5	26.5	26.5	27.1	27.1	27.1	27.7	27.7	27.7
≥ 1500	7.1	21.3	26.5	27.7	28.4	30.3	30.3	30.3	30.3	30.3	31.0	31.0	31.0	31.6	31.6	31.6
≥ 1200	7.1	25.2	30.3	31.6	32.9	34.8	34.8	34.8	34.8	34.8	35.5	35.5	35.5	36.1	36.1	36.1
≥ 1000	7.1	29.7	36.1	41.3	43.9	46.5	46.5	46.5	46.5	46.5	47.1	47.1	47.1	47.7	47.7	47.7
≥ 900	7.1	31.6	40.7	45.2	49.0	51.6	51.6	51.6	51.6	51.6	52.3	52.3	52.3	53.6	53.6	53.6
≥ 800	7.1	32.3	43.2	49.7	54.8	59.4	60.7	61.3	61.3	61.3	62.6	62.6	62.6	63.2	63.2	63.2
≥ 700	7.1	32.3	43.9	52.3	60.7	67.1	69.0	69.7	69.7	70.3	71.6	71.6	71.6	72.3	72.3	72.3
≥ 600	7.1	32.3	45.2	54.8	64.5	71.6	74.8	75.5	75.5	76.1	77.4	77.4	77.4	78.1	78.1	78.1
≥ 500	7.1	32.3	45.8	55.5	66.5	75.5	78.7	80.7	80.7	81.3	82.6	82.6	82.6	83.9	83.9	83.9
≥ 400	7.1	32.3	45.8	55.5	67.7	77.4	82.6	84.5	84.5	85.2	86.5	86.5	86.5	87.7	87.7	87.7
≥ 300	7.1	32.3	45.8	55.5	67.7	77.4	83.2	85.8	85.8	87.7	89.0	89.0	89.0	90.3	90.3	90.3
≥ 200	7.1	32.3	45.8	55.5	67.7	77.4	83.2	85.8	85.8	87.7	90.3	90.3	90.3	92.9	92.9	92.9
≥ 100	7.1	32.3	45.8	55.5	67.7	77.4	83.2	85.8	85.8	87.7	90.3	90.3	90.3	93.6	93.6	93.6
≥ 0	7.1	32.3	45.8	55.5	67.7	77.4	83.2	85.8	85.8	87.7	90.3	90.3	90.3	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	10.3	52.3	62.0	72.9	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 20000	10.3	52.3	62.0	72.9	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 18000	10.3	52.3	62.0	72.9	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 16000	10.3	52.3	62.0	72.9	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 14000	10.3	52.3	62.0	72.9	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 12000	10.3	52.3	62.0	72.9	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 10000	11.0	53.6	64.5	75.5	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 9000	11.0	53.6	64.5	75.5	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000	11.0	53.6	64.5	75.5	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	11.0	53.6	64.5	75.5	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 6000	11.0	53.6	64.5	75.5	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	11.0	53.6	64.5	75.5	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500	11.0	53.6	64.5	75.5	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000	11.0	53.6	64.5	75.5	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3500	11.0	53.6	64.5	75.5	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000	12.3	56.1	67.1	78.1	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2500	12.3	56.8	67.7	78.7	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000	12.9	60.0	71.0	82.6	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1800	12.9	60.0	71.0	82.6	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1500	12.9	61.3	72.3	85.2	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200	12.9	61.9	73.6	87.1	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	12.9	61.9	74.2	88.4	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	12.9	61.9	74.2	88.4	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	12.9	61.9	74.2	88.4	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	12.9	61.9	74.2	88.4	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	12.9	61.9	74.2	88.4	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	12.9	61.9	74.2	88.4	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	12.9	61.9	74.2	88.4	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	12.9	61.9	74.2	88.4	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	12.9	61.9	74.2	88.4	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	12.9	61.9	74.2	88.4	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	12.9	61.9	74.2	88.4	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIPAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	16.8	65.2	74.2	80.0	83.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 20000	16.8	69.0	78.7	84.5	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
AI 18000	16.8	69.0	78.7	84.5	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
AI 16000	16.8	69.0	78.7	84.5	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
AI 14000	16.8	70.3	80.7	86.5	89.7	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3
AI 12000	16.8	70.3	81.3	87.7	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
AI 10000	16.8	70.3	81.3	87.7	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
AI 9000	16.8	70.3	81.3	87.7	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
AI 8000	16.8	70.3	81.3	87.7	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
AI 7000	16.8	71.0	81.9	88.4	91.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2
AI 6000	16.8	71.6	82.6	89.0	92.3	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8
AI 5000	16.8	71.6	82.6	89.0	92.3	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8
AI 4500	16.8	71.6	82.6	89.0	92.3	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8
AI 4000	16.8	72.3	83.2	89.7	92.9	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
AI 3500	16.8	72.3	83.2	89.7	92.9	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
AI 3000	18.1	73.6	84.5	91.0	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
AI 2500	18.7	74.2	85.2	91.6	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
AI 2000	18.7	74.2	85.2	91.6	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
AI 1800	18.7	74.2	85.2	91.6	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
AI 1500	18.7	74.8	85.8	92.3	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 1200	18.7	74.8	85.8	92.3	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 1000	18.7	74.8	85.8	92.3	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 900	18.7	74.8	85.8	92.3	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 800	18.7	74.8	85.8	92.3	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 700	18.7	75.5	86.5	94.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 600	18.7	75.5	86.5	94.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 500	18.7	75.5	86.5	94.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 400	18.7	75.5	86.5	94.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 300	18.7	75.5	86.5	94.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 200	18.7	75.5	86.5	94.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 100	18.7	75.5	86.5	94.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 0	18.7	75.5	86.5	94.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING	22.6	69.7	77.4	83.2	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.3
≥ 20000	22.6	72.9	81.3	87.1	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.3
≥ 18000	22.6	72.9	81.3	87.1	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.3
≥ 16000	22.6	72.9	81.3	87.1	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.3
≥ 14000	22.6	74.2	82.6	88.4	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.6
≥ 12000	22.6	74.2	83.2	89.7	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.9
≥ 10000	22.6	74.2	83.2	89.7	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.9
≥ 9000	22.6	74.2	83.2	89.7	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.9
≥ 8000	22.6	74.2	83.2	89.7	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.9
≥ 7000	22.6	74.8	83.9	90.3	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.6
≥ 6000	22.6	74.8	84.5	91.0	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.2
≥ 5000	22.6	74.8	84.5	91.0	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.2
≥ 4500	22.6	74.8	84.5	91.0	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.2
≥ 4000	22.6	74.8	84.5	91.0	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.2
≥ 3500	22.6	74.8	84.5	91.0	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.2
≥ 3000	23.2	75.5	85.2	91.6	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.8
≥ 2500	23.9	76.1	85.8	92.3	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.3
≥ 2000	23.9	76.1	86.5	92.9	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1
≥ 1800	23.9	76.1	86.5	92.9	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1
≥ 1500	23.9	76.1	86.5	92.9	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1
≥ 1200	23.9	77.4	87.7	94.2	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.4
≥ 1000	23.9	78.1	89.0	95.3	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7
≥ 900	23.9	78.1	89.0	95.3	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7
≥ 800	23.9	78.7	89.7	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	23.9	78.7	89.7	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	23.9	78.7	89.7	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	23.9	78.7	89.7	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	23.9	78.7	89.7	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	23.9	78.7	89.7	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	23.9	78.7	89.7	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	23.9	78.7	89.7	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	23.9	78.7	89.7	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	11.6	63.9	71.0	74.8	77.4	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 20000	11.6	65.8	72.9	77.4	80.0	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 18000	11.6	65.8	72.9	77.4	80.0	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 16000	11.6	65.8	72.9	77.4	80.0	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 14000	11.6	65.8	72.9	77.4	80.0	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 12000	11.6	66.5	74.2	78.7	81.3	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 10000	11.6	66.5	74.2	78.7	81.3	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 9000	11.6	66.5	74.2	78.7	81.3	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 8000	11.6	66.5	74.2	78.7	81.3	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 7000	11.6	66.5	74.2	78.7	81.3	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 6000	11.6	66.5	74.2	78.7	81.3	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 5000	11.6	66.5	74.2	78.7	81.3	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4500	11.6	66.5	74.2	78.7	81.3	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4000	11.6	66.5	74.2	78.7	81.3	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500	11.6	66.5	74.2	78.7	81.3	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	11.6	66.5	74.2	78.7	81.3	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2500	12.3	67.1	75.5	80.0	82.6	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	12.9	67.7	76.1	80.7	83.2	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1800	12.9	67.7	76.1	80.7	83.2	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1500	12.9	69.0	77.4	81.9	84.5	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200	12.9	69.7	79.4	83.9	86.5	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1000	13.6	74.2	83.9	90.3	92.9	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	13.6	74.2	83.9	90.3	92.9	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	13.6	74.8	84.5	91.6	95.5	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	13.6	74.8	84.5	91.6	95.5	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	13.6	74.8	84.5	91.6	95.5	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	13.6	74.8	84.5	91.6	95.5	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	13.6	74.8	84.5	91.6	95.5	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	13.6	74.8	84.5	91.6	95.5	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	13.6	74.8	84.5	91.6	95.5	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	13.6	74.8	84.5	91.6	95.5	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	13.6	74.8	84.5	91.6	95.5	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	6.5	41.3	47.7	51.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	6.5	41.9	48.4	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000	6.5	41.9	48.4	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	6.5	41.9	48.4	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	6.5	41.9	48.4	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 12000	6.5	41.9	48.4	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	6.5	41.9	48.4	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 9000	6.5	41.9	48.4	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 8000	6.5	41.9	48.4	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 7000	6.5	41.9	48.4	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 6000	6.5	41.9	48.4	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 5000	6.5	41.9	48.4	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 4500	6.5	41.9	48.4	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 4000	6.5	41.9	48.4	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 3500	6.5	41.9	48.4	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 3000	6.5	41.9	48.4	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 2500	7.1	42.6	49.0	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 2000	8.4	44.5	51.0	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 1800	8.4	45.8	52.3	55.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 1500	9.0	50.3	56.8	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 1200	9.7	53.6	61.3	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 1000	9.7	60.0	71.6	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 900	9.7	61.9	74.2	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 800	9.7	66.5	79.4	85.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 700	9.7	68.4	82.6	89.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 600	9.7	69.0	83.9	91.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	9.7	69.0	83.9	91.0	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 400	9.7	69.0	83.9	91.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 300	9.7	69.0	83.9	91.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 200	9.7	69.0	83.9	91.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 100	9.7	69.0	83.9	91.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 0	9.7	69.0	83.9	91.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	9.8	40.6	47.2	51.2	52.9	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.2
≥ 20000	9.8	42.0	48.9	53.0	54.8	55.6	55.8	55.8	55.8	55.8	55.9	55.9	55.9	56.1
18000	9.8	42.0	48.9	53.0	54.8	55.6	55.8	55.8	55.8	55.8	55.9	55.9	55.9	56.1
16000	9.8	42.0	48.9	53.0	54.8	55.6	55.8	55.8	55.8	55.8	55.9	55.9	55.9	56.1
14000	9.8	42.3	49.3	53.4	55.2	56.1	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.6
12000	9.8	42.4	49.6	54.0	55.8	56.8	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.3
10000	9.9	42.9	50.2	54.8	56.5	57.5	57.7	57.7	57.7	57.7	57.8	57.8	57.8	58.1
9000	9.9	42.9	50.2	54.8	56.5	57.5	57.7	57.7	57.7	57.7	57.8	57.8	57.8	58.1
8000	9.9	42.9	50.3	54.9	56.7	57.7	57.9	57.9	57.9	57.9	58.0	58.0	58.0	58.2
7000	9.9	43.1	50.5	55.1	56.9	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.5
6000	9.9	43.2	50.7	55.2	57.1	58.1	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.6
5000	9.9	43.2	50.7	55.2	57.1	58.1	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.6
4500	9.9	43.2	50.7	55.2	57.1	58.1	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.6
4000	10.0	43.4	50.9	55.5	57.3	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.9
3500	10.1	43.5	51.0	55.6	57.4	58.4	58.6	58.6	58.6	58.6	58.7	58.7	58.7	59.0
3000	10.5	44.0	51.5	56.1	58.0	59.0	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.5
2500	11.1	45.4	52.9	57.5	59.4	60.3	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.9
2000	11.6	46.9	54.6	59.3	61.1	62.1	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.7
1800	11.8	47.7	55.3	60.0	61.9	62.8	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.4
1500	12.0	50.1	57.9	62.7	64.7	65.7	65.9	65.9	65.9	65.9	66.0	66.0	66.0	66.2
1200	12.1	51.8	60.1	65.1	67.2	68.2	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.8
1000	12.2	55.7	65.7	71.4	73.9	75.1	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.7
900	12.2	56.5	66.9	73.0	75.7	77.0	77.3	77.4	77.4	77.4	77.5	77.5	77.5	77.7
800	12.2	58.6	70.0	77.0	80.7	82.3	82.5	83.0	83.0	83.0	83.2	83.2	83.2	83.4
700	12.2	59.3	71.5	79.2	83.6	85.3	86.1	86.1	86.1	86.2	86.4	86.4	86.4	86.6
600	12.3	59.9	72.5	80.8	85.6	87.7	88.8	88.9	88.9	89.0	89.1	89.1	89.1	89.4
500	12.3	60.2	73.5	82.5	86.3	90.4	91.7	91.9	91.9	92.0	92.2	92.2	92.2	92.7
400	12.3	60.3	73.9	83.1	89.4	91.5	93.4	93.6	93.6	93.8	94.0	94.0	94.0	94.5
300	12.3	60.3	74.0	83.2	89.8	92.0	94.1	94.4	94.4	95.2	95.3	95.3	95.3	96.0
200	12.3	60.3	74.0	83.2	90.0	92.2	94.5	94.8	94.8	95.7	96.1	96.1	96.1	97.3
100	12.3	60.3	74.0	83.3	90.1	92.3	94.6	94.9	94.9	96.0	96.4	96.4	96.4	97.7
0	12.3	60.3	74.0	83.3	90.1	92.3	94.6	94.9	94.9	96.0	96.4	96.4	96.4	98.0

1240

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 10
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	6.0	27.3	29.3	30.7	32.0	32.7	32.7	32.7	32.7	34.0	34.0	34.0	34.7	34.7	34.7
≥ 20000	6.7	29.3	31.3	32.7	34.0	34.7	34.7	34.7	34.7	36.0	36.0	36.0	36.7	36.7	36.7
≥ 18000	6.7	29.3	31.3	32.7	34.0	34.7	34.7	34.7	34.7	36.0	36.0	36.0	36.7	36.7	36.7
≥ 16000	6.7	29.3	31.3	32.7	34.0	34.7	34.7	34.7	34.7	36.0	36.0	36.0	36.7	36.7	36.7
≥ 14000	6.7	29.3	31.3	32.7	34.0	34.7	34.7	34.7	34.7	36.0	36.0	36.0	36.7	36.7	36.7
≥ 12000	6.7	30.0	32.0	33.3	34.7	35.3	35.3	35.3	35.3	36.7	36.7	36.7	37.3	37.3	37.3
≥ 10000	6.7	32.0	34.0	35.3	36.7	37.3	37.3	37.3	37.3	38.7	38.7	38.7	39.3	39.3	39.3
≥ 9000	6.7	32.0	34.0	35.3	36.7	37.3	37.3	37.3	37.3	38.7	38.7	38.7	39.3	39.3	39.3
≥ 8000	6.7	32.7	34.7	36.0	37.3	38.0	38.0	38.0	38.0	39.3	39.3	39.3	40.0	40.0	40.0
≥ 7000	6.7	34.0	36.0	37.3	38.7	39.3	39.3	39.3	39.3	40.7	40.7	40.7	41.3	41.3	41.3
≥ 6000	6.7	34.0	36.0	37.3	38.7	39.3	39.3	39.3	39.3	40.7	40.7	40.7	41.3	41.3	41.3
≥ 5000	6.7	34.0	36.0	37.3	38.7	39.3	39.3	39.3	39.3	40.7	40.7	40.7	41.3	41.3	41.3
≥ 4500	6.7	34.7	36.7	38.0	39.3	40.0	40.0	40.0	40.0	41.3	41.3	41.3	42.0	42.0	42.0
≥ 4000	6.7	34.7	36.7	38.0	39.3	40.0	40.0	40.0	40.0	41.3	41.3	41.3	42.0	42.0	42.0
≥ 3500	7.3	35.3	37.3	38.7	40.0	40.7	40.7	40.7	40.7	42.0	42.0	42.0	42.7	42.7	42.7
≥ 3000	8.0	36.7	38.7	40.0	41.3	42.0	42.0	42.0	42.0	43.3	43.3	43.3	44.0	44.0	44.0
≥ 2500	9.3	38.7	40.7	42.0	43.3	44.0	44.0	44.0	44.0	45.3	45.3	45.3	46.0	46.0	46.0
≥ 2000	9.3	43.3	45.3	46.7	48.0	48.7	48.7	48.7	48.7	50.0	50.0	50.0	50.7	50.7	50.7
≥ 1800	9.3	44.0	47.3	48.7	50.0	50.7	50.7	50.7	50.7	52.0	52.0	52.0	52.7	52.7	52.7
≥ 1500	9.3	50.7	54.0	55.3	56.7	57.3	57.3	57.3	57.3	58.7	58.7	58.7	59.3	59.3	59.3
≥ 1200	9.3	54.7	58.7	60.0	61.3	62.0	62.0	62.0	62.0	63.3	63.3	63.3	64.0	64.0	64.0
≥ 1000	9.3	58.7	66.0	68.7	70.7	71.3	71.3	71.3	71.3	72.7	72.7	72.7	73.3	73.3	73.3
≥ 900	9.3	59.3	66.7	69.3	71.3	72.0	72.0	72.0	72.0	73.3	73.3	73.3	74.0	74.0	74.0
≥ 800	9.3	62.7	71.3	74.7	78.7	79.3	79.3	79.3	79.3	80.7	80.7	80.7	81.3	81.3	81.3
≥ 700	9.3	64.0	74.7	79.3	84.7	85.3	85.3	85.3	85.3	86.7	86.7	86.7	87.3	87.3	87.3
≥ 600	9.3	64.7	75.3	80.0	86.0	86.7	86.7	86.7	86.7	88.0	88.0	88.0	88.7	88.7	88.7
≥ 500	9.3	64.7	75.3	80.7	88.7	89.3	89.3	89.3	89.3	90.7	90.7	90.7	91.3	91.3	91.3
≥ 400	9.3	64.7	75.3	80.7	89.3	90.0	90.0	90.0	90.0	92.0	92.0	92.0	92.7	92.7	92.7
≥ 300	9.3	64.7	75.3	80.7	89.3	90.0	90.0	90.0	90.0	92.7	92.7	92.7	93.3	93.3	93.3
≥ 200	9.3	64.7	75.3	80.7	90.7	91.3	91.3	91.3	91.3	94.7	94.7	94.7	95.3	95.3	95.3
≥ 100	9.3	64.7	75.3	80.7	90.7	91.3	91.3	91.3	91.3	96.7	96.7	96.7	97.3	97.3	97.3
0	9.3	65.3	76.0	81.3	91.3	92.0	92.0	92.0	92.0	93.3	93.3	93.3	98.0	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

SEP
MONTH

04
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	6.7	20.0	20.0	20.7	20.7	20.7	20.7	20.7	20.7	21.3	21.3	21.3	23.3	23.3
≥ 20000	7.3	21.3	21.3	22.0	22.0	22.0	22.0	22.0	22.0	22.7	22.7	22.7	24.7	24.7
≥ 18000	7.3	21.3	21.3	22.0	22.0	22.0	22.0	22.0	22.0	22.7	22.7	22.7	24.7	24.7
≥ 16000	7.3	21.3	21.3	22.0	22.0	22.0	22.0	22.0	22.0	22.7	22.7	22.7	24.7	24.7
≥ 14000	7.3	21.3	21.3	22.0	22.0	22.0	22.0	22.0	22.0	22.7	22.7	22.7	24.7	24.7
≥ 12000	7.3	22.0	22.0	22.7	22.7	22.7	22.7	22.7	22.7	23.3	23.3	23.3	25.3	25.3
≥ 10000	7.3	22.0	22.0	22.7	22.7	22.7	22.7	22.7	22.7	23.3	23.3	23.3	25.3	25.3
≥ 9000	7.3	22.0	22.0	22.7	22.7	22.7	22.7	22.7	22.7	23.3	23.3	23.3	25.3	25.3
8000	8.0	22.7	23.3	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	26.0	26.0
7000	8.0	22.7	23.3	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	26.0	26.0
6000	8.0	22.7	23.3	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	26.0	26.0
5000	8.0	23.3	24.0	24.7	24.7	24.7	24.7	24.7	24.7	25.3	25.3	25.3	27.3	27.3
4500	8.0	23.3	24.0	24.7	24.7	24.7	24.7	24.7	24.7	25.3	25.3	25.3	27.3	27.3
4000	9.3	25.0	26.7	27.3	27.3	27.3	27.3	27.3	27.3	28.0	28.0	28.0	30.7	30.7
3500	9.3	26.7	27.3	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	30.7	30.7
3000	10.0	30.0	30.7	31.3	31.3	31.3	31.3	31.3	31.3	32.0	32.0	32.0	34.7	34.7
2500	10.0	31.3	32.0	32.7	32.7	32.7	32.7	32.7	32.7	33.3	33.3	33.3	36.0	36.0
2000	10.0	34.7	35.3	36.0	36.0	36.0	36.0	36.0	36.0	36.7	36.7	36.7	39.3	39.3
1800	10.0	36.0	37.3	38.0	38.0	38.0	38.0	38.0	38.0	38.7	38.7	38.7	41.3	41.3
1500	10.0	41.3	45.3	47.3	47.3	47.3	47.3	47.3	47.3	48.0	48.0	48.0	50.7	50.7
1200	10.0	44.7	50.0	52.7	52.7	52.7	52.7	52.7	52.7	53.3	53.3	53.3	56.0	56.0
1000	10.0	50.0	56.7	60.0	60.7	60.7	60.7	60.7	60.7	61.3	61.3	61.3	64.7	64.7
900	10.0	52.0	58.7	62.0	62.7	62.7	62.7	62.7	62.7	63.3	63.3	63.3	66.7	66.7
800	10.0	56.7	64.0	68.0	69.3	69.3	69.3	69.3	69.3	70.0	70.0	70.0	73.3	73.3
700	10.0	57.3	66.0	70.7	75.3	75.3	75.3	75.3	75.3	76.0	76.0	76.0	79.3	79.3
600	10.0	58.0	66.7	72.7	78.0	78.0	78.0	78.0	78.0	78.7	78.7	78.7	82.0	82.0
500	10.0	58.7	67.3	74.7	82.0	82.7	82.7	82.7	82.7	83.3	83.3	83.3	86.7	86.7
400	10.0	59.3	68.7	76.0	84.7	85.3	85.3	85.3	85.3	86.0	86.0	86.0	89.3	89.3
300	10.0	59.3	68.7	76.0	84.7	85.3	85.3	85.3	85.3	86.0	86.0	86.0	89.3	89.3
200	10.0	59.3	68.7	76.0	84.7	85.3	85.3	85.3	85.3	86.0	86.0	86.0	89.3	89.3
100	10.0	59.3	68.7	76.0	84.7	85.3	85.3	85.3	85.3	86.0	86.0	86.0	89.3	89.3
0	10.0	59.3	68.7	76.0	84.7	85.3	85.3	85.3	85.3	86.0	86.0	86.0	89.3	89.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

2

93107
STATION

MIRANAR, CALIFORNIA
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	12.7	19.3	21.3	23.3	24.7	26.7	27.3	27.3	27.3	27.3	27.3	27.3	28.0	28.7
≥ 20000	12.7	19.3	21.3	24.0	25.3	27.3	28.0	28.0	28.0	28.0	28.0	28.0	28.7	29.3
≥ 18000	12.7	19.3	21.3	24.0	25.3	27.3	28.0	28.0	28.0	28.0	28.0	28.0	28.7	29.3
≥ 16000	12.7	19.3	21.3	24.0	25.3	27.3	28.0	28.0	28.0	28.0	28.0	28.0	28.7	29.3
≥ 14000	12.7	19.3	21.3	24.0	25.3	27.3	28.0	28.0	28.0	28.0	28.0	28.0	28.7	29.3
≥ 12000	12.7	20.0	22.0	24.7	26.0	28.0	28.7	28.7	28.7	28.7	28.7	29.3	29.3	30.0
≥ 10000	12.7	20.0	22.7	25.3	26.7	28.7	29.3	29.3	29.3	29.3	29.3	30.0	30.0	30.7
≥ 9000	12.7	20.0	22.7	25.3	26.7	28.7	29.3	29.3	29.3	29.3	29.3	30.0	30.0	30.7
≥ 8000	13.3	21.3	24.0	26.7	28.0	30.0	30.7	30.7	30.7	30.7	30.7	31.3	31.3	32.0
≥ 7000	13.3	21.3	24.0	26.7	28.0	30.0	30.7	30.7	30.7	30.7	30.7	31.3	31.3	32.0
≥ 6000	13.3	21.3	24.0	26.7	28.0	30.0	30.7	30.7	30.7	30.7	30.7	31.3	31.3	32.0
≥ 5000	13.3	22.0	24.7	28.0	29.3	31.3	32.0	32.0	32.0	32.0	32.0	32.7	32.7	33.3
≥ 4500	13.3	22.0	24.7	28.0	29.3	31.3	32.0	32.0	32.0	32.0	32.0	32.7	32.7	33.3
≥ 4000	14.7	23.3	26.0	29.3	30.7	32.7	33.3	33.3	33.3	33.3	33.3	34.0	34.0	34.7
≥ 3500	14.7	24.7	27.3	30.7	32.0	34.0	34.7	34.7	34.7	34.7	34.7	35.3	35.3	36.0
≥ 3000	16.0	26.7	29.3	32.7	34.0	36.0	36.7	36.7	36.7	36.7	36.7	37.3	37.3	38.0
≥ 2500	17.3	29.3	32.0	35.3	36.7	38.7	39.3	39.3	39.3	39.3	39.3	40.0	40.0	40.7
≥ 2000	17.3	32.7	36.0	39.3	40.7	42.7	43.3	43.3	43.3	43.3	43.3	44.0	44.0	44.7
≥ 1800	17.3	34.7	38.0	42.0	43.3	45.3	46.0	46.0	46.0	46.0	46.0	46.7	46.7	47.3
≥ 1500	18.0	39.3	42.7	46.7	48.0	50.0	50.7	50.7	50.7	50.7	50.7	51.3	51.3	52.0
≥ 1200	18.0	42.7	49.3	54.7	56.7	58.7	59.3	59.3	59.3	59.3	59.3	60.0	60.0	60.7
≥ 1000	18.7	46.0	53.3	60.0	63.3	65.3	66.0	66.0	66.0	66.0	66.7	67.3	67.3	68.0
≥ 900	18.7	46.0	53.3	60.7	64.0	66.7	67.3	67.3	67.3	68.0	68.0	68.7	68.7	69.3
≥ 800	18.7	46.7	55.3	66.0	70.0	74.7	76.0	76.0	76.0	76.7	76.7	77.3	77.3	78.0
≥ 700	18.7	46.7	55.3	67.3	72.0	76.7	79.3	80.0	80.0	82.0	82.0	82.7	82.7	83.3
≥ 600	18.7	46.7	56.7	68.7	74.0	79.3	82.0	82.7	82.7	84.7	84.7	85.3	85.3	86.0
≥ 500	18.7	46.7	57.3	69.3	74.7	80.0	83.3	84.0	84.0	86.0	86.0	86.7	86.7	87.3
≥ 400	18.7	46.7	57.3	69.3	74.7	80.0	84.0	84.7	84.7	88.7	88.7	89.3	89.3	90.0
≥ 300	18.7	46.7	57.3	69.3	74.7	80.0	84.0	84.7	84.7	89.3	90.0	90.0	90.7	91.3
≥ 200	18.7	46.7	57.3	69.3	74.7	80.0	84.0	84.7	84.7	89.3	90.0	90.0	90.7	91.3
≥ 100	18.7	46.7	57.3	69.3	74.7	80.0	84.0	84.7	84.7	89.3	90.0	90.0	91.3	92.7
≥ 0	18.7	46.7	57.3	69.3	74.7	80.0	84.0	84.7	84.7	89.3	90.0	90.0	91.3	93.3

150

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING	14.0	40.0	48.7	53.3	58.0	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 20000	14.0	40.7	49.3	54.0	58.7	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	14.0	40.7	49.3	54.0	58.7	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	14.0	40.7	49.3	54.0	58.7	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 14000	14.0	41.3	50.0	54.7	59.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 12000	14.0	42.7	52.0	56.7	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 10000	14.0	42.7	52.0	56.7	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 9000	14.0	42.7	52.0	56.7	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 8000	14.0	43.3	52.7	57.3	62.0	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 7000	14.0	43.3	52.7	57.3	62.0	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 6000	14.0	43.3	52.7	57.3	62.0	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 5000	14.0	43.3	52.7	57.3	62.0	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 4500	14.0	43.3	52.7	57.3	62.0	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 4000	14.0	43.3	52.7	57.3	62.0	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 3500	14.7	44.7	54.0	58.7	63.3	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 3000	17.3	48.7	58.0	62.7	67.3	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 2500	18.7	51.3	60.7	65.3	70.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2000	18.7	56.0	66.7	72.0	76.7	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1800	18.7	58.7	70.0	76.0	80.7	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1500	18.7	62.0	74.7	81.3	86.7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1200	18.7	63.3	76.0	82.7	88.7	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1000	18.7	64.7	77.3	84.0	91.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 900	18.7	64.7	77.3	84.0	91.3	92.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0
≥ 800	18.7	65.3	78.0	84.7	92.7	94.0	95.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	18.7	65.3	78.0	86.0	94.7	96.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	18.7	65.3	78.0	86.0	94.7	96.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	18.7	66.0	78.7	86.7	95.3	96.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	18.7	66.0	78.7	86.7	95.3	96.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	18.7	66.0	78.7	86.7	95.3	96.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	18.7	66.0	78.7	86.7	95.3	96.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	18.7	66.0	78.7	86.7	95.3	96.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	18.7	66.0	78.7	86.7	95.3	96.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	16.0	52.0	57.3	62.0	64.0	64.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 20000	18.0	56.7	62.0	68.0	70.0	70.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 18000	18.0	56.7	62.0	68.7	70.7	71.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 16000	18.0	56.7	62.7	68.7	70.7	71.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 14000	18.0	56.7	62.7	68.7	70.7	71.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 12000	18.0	58.0	64.0	70.0	72.0	72.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 10000	18.0	58.7	64.7	70.7	72.7	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 9000	18.0	58.7	64.7	70.7	72.7	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 8000	18.0	59.3	65.3	71.3	73.3	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	18.0	59.3	65.3	71.3	73.3	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 6000	18.0	59.3	65.3	71.3	73.3	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000	18.0	59.3	65.3	71.3	73.3	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4500	18.0	59.3	65.3	71.3	73.3	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4000	18.0	59.3	65.3	71.3	73.3	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3500	18.0	60.0	66.0	72.0	74.0	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	20.0	62.7	68.7	74.7	76.7	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	20.7	68.0	74.0	80.0	82.0	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000	20.7	70.0	76.0	82.0	84.0	84.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1800	20.7	72.7	79.3	85.3	87.3	88.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500	20.7	75.3	83.3	89.3	91.3	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	20.7	75.3	83.3	89.3	91.3	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1000	20.7	76.7	85.3	92.0	94.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	20.7	76.7	85.3	92.0	94.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	20.7	76.7	85.3	92.7	95.3	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	20.7	76.7	85.3	92.7	95.3	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	20.7	76.7	85.3	92.7	96.0	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	20.7	76.7	85.3	92.7	96.0	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	20.7	76.7	85.3	92.7	96.0	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	20.7	76.7	85.3	92.7	96.0	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	20.7	76.7	85.3	92.7	96.0	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	20.7	76.7	85.3	92.7	96.0	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	20.7	76.7	85.3	92.7	96.0	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION 93107 MIRAMAR, CALIFORNIA 73-77 YEARS SEP MONTH 16 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	18.0	54.7	59.3	63.3	64.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 20000	18.7	58.0	62.7	67.3	68.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 18000	18.7	58.7	63.3	68.0	69.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 16000	18.7	58.7	63.3	68.0	69.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 14000	18.7	59.3	64.0	68.7	70.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 12000	18.7	60.7	66.0	70.7	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 10000	18.7	62.0	67.3	72.0	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 9000	18.7	62.0	67.3	72.0	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 8000	19.3	62.7	68.0	72.7	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	19.3	62.7	68.0	72.7	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 6000	19.3	62.7	68.0	72.7	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000	19.3	62.7	68.0	72.7	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4500	19.3	62.7	68.0	72.7	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4000	19.3	63.3	68.7	73.3	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3500	19.3	64.0	69.3	74.0	75.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3000	19.3	64.0	69.3	74.0	75.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2500	20.0	68.0	75.3	80.0	81.3	82.7	82.7	83.3	83.3	83.3	83.3	83.3
≥ 2000	21.3	70.7	78.0	82.7	84.0	85.3	85.3	86.0	86.0	86.0	86.0	86.0
≥ 1800	21.3	71.3	78.7	83.3	84.7	86.0	86.0	86.7	86.7	86.7	86.7	86.7
≥ 1500	22.0	77.3	84.7	89.3	90.7	92.0	92.0	92.7	92.7	92.7	92.7	92.7
≥ 1200	22.0	78.0	86.0	91.3	92.7	94.0	94.0	94.7	94.7	94.7	94.7	94.7
≥ 1000	22.0	79.3	88.0	94.0	96.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 900	22.0	79.3	88.0	94.0	96.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 800	22.0	79.3	88.0	94.0	96.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 700	22.0	79.3	88.0	94.0	96.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 600	22.0	79.3	88.0	94.0	96.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 500	22.0	79.3	88.0	94.0	96.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 400	22.0	79.3	88.0	94.0	96.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 300	22.0	79.3	88.0	94.0	96.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 200	22.0	79.3	88.0	94.0	96.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 100	22.0	79.3	88.0	94.0	96.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0
0	22.0	79.3	88.0	94.0	96.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATIONMIRAMAR, CALIFORNIA
STATION NAME

73-77

72482

SEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)19
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING	11.3	42.7	52.0	54.7	56.7	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000	11.3	44.0	53.3	56.7	58.7	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 18000	11.3	44.7	54.0	57.3	59.3	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	11.3	44.7	54.0	57.3	59.3	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 14000	11.3	46.0	55.3	58.7	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	11.3	46.7	56.0	59.3	61.3	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 10000	11.3	48.7	58.0	61.3	63.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 9000	11.3	48.7	58.0	61.3	63.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 8000	12.0	49.3	58.7	62.0	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 7000	12.0	49.3	58.7	62.0	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 6000	12.0	49.3	58.7	62.0	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 5000	12.0	50.0	59.3	62.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4500	12.0	50.0	59.3	62.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4000	12.0	50.0	59.3	62.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 3500	12.0	50.7	60.0	63.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 3000	12.0	51.3	60.7	64.0	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 2500	13.3	53.3	62.7	66.0	68.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 2000	15.3	57.3	66.7	70.0	72.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 1800	15.3	57.3	67.3	70.7	72.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 1500	16.0	61.3	71.3	74.7	76.7	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 1200	16.0	64.7	74.7	78.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1000	16.0	72.7	84.7	88.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 900	16.0	72.7	84.7	88.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 800	16.0	74.0	86.0	92.0	94.0	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	16.0	76.0	88.0	94.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	16.0	74.0	86.7	92.7	96.0	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	16.0	74.0	86.7	92.7	97.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	16.0	74.0	86.7	92.7	97.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	16.0	74.0	86.7	92.7	97.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	16.0	74.0	86.7	92.7	97.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	16.0	74.0	86.7	92.7	97.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	16.0	74.0	86.7	92.7	97.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATIONMIRAMAR, CALIFORNIA
STATION NAME

7-3-77

YEARS

SEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (LST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	6.0	30.7	34.0	34.7	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.7
≥ 20000	6.0	32.0	35.3	36.0	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	38.0
≥ 18000	6.0	32.0	35.3	36.0	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	38.0
≥ 16000	6.0	32.0	35.3	36.0	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	38.0
≥ 14000	6.0	32.7	36.0	37.3	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.3
≥ 12000	6.0	33.3	36.7	38.0	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	40.0
≥ 10000	6.0	35.3	39.3	40.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.7
≥ 9000	6.0	36.0	40.0	41.3	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	43.3
≥ 8000	6.0	37.3	41.3	42.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.7
≥ 7000	6.0	38.0	42.0	43.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	45.3
≥ 6000	6.0	38.0	42.0	43.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	45.3
≥ 5000	6.0	38.0	42.0	43.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	45.3
≥ 4500	6.0	38.0	42.0	43.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	45.3
≥ 4000	6.0	38.0	42.0	43.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	45.3
≥ 3500	6.0	38.0	42.0	43.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	45.3
≥ 3000	6.0	38.7	42.7	44.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	46.0
≥ 2500	8.0	40.7	44.7	46.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	48.0
≥ 2000	11.3	50.7	55.3	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.3
≥ 1800	11.3	53.3	58.0	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	62.0
≥ 1500	11.3	57.3	62.7	64.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.7
≥ 1200	11.3	61.3	66.7	68.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.3
≥ 1000	11.3	67.3	74.7	76.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.3
≥ 900	11.3	68.0	76.0	78.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.3
≥ 800	11.3	71.3	80.7	84.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.7
≥ 700	11.3	71.3	81.3	86.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.3
≥ 600	11.3	72.0	82.0	87.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	94.0
≥ 500	11.3	72.0	82.0	88.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	96.0
≥ 400	11.3	72.0	82.7	88.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	97.3
≥ 300	11.3	72.0	82.7	88.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	98.0
≥ 200	11.3	72.0	82.7	88.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	98.7
≥ 100	11.3	72.0	82.7	88.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	99.3
≥ 0	11.3	72.0	82.7	88.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	11.3	35.8	40.3	42.8	44.6	45.3	45.7	45.7	45.7	45.9	45.9	45.9	46.3	46.4
≥ 20000	11.8	37.7	42.1	45.1	46.8	47.5	47.9	47.9	47.9	48.2	48.2	48.2	48.6	48.7
≥ 18000	11.8	37.8	42.3	45.3	47.1	47.8	48.2	48.2	48.2	48.4	48.4	48.4	48.8	48.9
≥ 16000	11.8	37.8	42.3	45.3	47.1	47.8	48.2	48.2	48.2	48.4	48.4	48.4	48.8	48.9
≥ 14000	11.8	38.3	42.8	45.8	47.6	48.3	48.7	48.7	48.7	48.9	48.9	48.9	49.3	49.4
≥ 12000	11.8	39.2	43.6	46.6	48.7	49.3	49.8	49.8	49.8	50.0	50.0	50.0	50.4	50.5
≥ 10000	11.8	40.2	45.0	48.1	49.8	50.5	51.0	51.0	51.0	51.3	51.3	51.3	51.7	51.8
≥ 9000	11.8	40.3	45.1	48.2	49.9	50.6	51.1	51.1	51.1	51.3	51.3	51.3	51.8	51.8
≥ 8000	12.2	41.1	46.0	49.1	50.8	51.5	52.0	52.0	52.0	52.3	52.3	52.3	52.7	52.8
≥ 7000	12.2	41.3	46.3	49.3	51.1	51.8	52.3	52.3	52.3	52.5	52.5	52.5	52.9	53.0
≥ 6000	12.2	41.3	46.3	49.3	51.1	51.8	52.3	52.3	52.3	52.5	52.5	52.5	52.9	53.0
≥ 5000	12.2	41.6	46.5	49.7	51.4	52.1	52.6	52.6	52.6	52.8	52.8	52.8	53.3	53.3
≥ 4500	12.2	41.7	46.6	49.8	51.5	52.2	52.7	52.7	52.7	52.9	52.9	52.9	53.3	53.4
≥ 4000	12.5	42.3	47.2	50.3	52.1	52.8	53.3	53.3	53.3	53.6	53.6	53.6	54.0	54.1
≥ 3500	12.7	43.0	47.9	51.1	52.8	53.5	54.0	54.1	54.1	54.3	54.3	54.3	54.8	54.8
≥ 3000	13.6	44.8	49.8	52.9	54.7	55.3	55.8	55.9	55.9	56.2	56.2	56.2	56.6	56.7
≥ 2500	14.7	47.6	52.8	55.9	57.7	58.3	58.8	58.9	58.9	59.2	59.2	59.2	59.6	59.7
≥ 2000	15.5	51.9	57.4	60.8	62.5	63.2	63.7	63.8	63.8	64.0	64.0	64.0	64.4	64.5
≥ 1800	15.5	53.5	59.5	63.0	64.8	65.4	65.9	66.0	66.0	66.3	66.3	66.3	66.7	66.8
≥ 1500	15.8	58.1	64.8	68.6	70.4	71.1	71.6	71.7	71.7	71.9	71.9	71.9	72.3	72.4
≥ 1200	15.8	60.6	68.1	72.2	74.3	74.9	75.4	75.5	75.5	75.8	75.8	75.8	76.2	76.3
≥ 1000	15.8	64.4	73.3	78.0	80.8	81.4	81.9	82.0	82.0	82.4	82.4	82.4	82.8	82.9
≥ 900	15.8	64.8	73.8	78.7	81.4	82.3	82.8	82.9	82.9	83.3	83.3	83.3	83.8	83.8
≥ 800	15.8	66.6	76.1	82.1	85.6	86.7	87.4	87.7	87.7	88.1	88.1	88.1	88.5	88.6
≥ 700	15.8	66.8	76.8	83.3	88.0	89.2	90.2	90.5	90.5	91.1	91.1	91.1	91.5	91.6
≥ 600	15.8	67.1	77.3	84.3	89.5	90.8	91.8	92.2	92.2	92.8	92.8	92.8	93.2	93.3
≥ 500	15.8	67.3	77.6	84.9	90.9	92.3	93.4	93.8	93.8	94.4	94.4	94.4	94.8	94.9
≥ 400	15.8	67.3	77.8	85.2	91.5	92.6	94.1	94.5	94.5	95.5	95.5	95.5	95.9	96.0
≥ 300	15.8	67.3	77.8	85.2	91.5	92.8	94.2	94.6	94.6	95.8	95.8	95.8	96.4	96.5
≥ 200	15.8	67.3	77.8	85.2	91.7	93.0	94.3	94.8	94.8	96.3	96.3	96.3	96.9	97.1
≥ 100	15.8	67.3	77.8	85.2	91.7	93.0	94.4	94.9	94.9	96.7	96.7	96.7	97.6	98.0
≥ 0	15.8	67.4	77.9	85.3	91.8	93.1	94.5	95.0	95.0	96.8	97.0	97.0	97.7	98.2

TOTAL NUMBER OF OBSERVATIONS

1200

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	11.6	36.8	37.4	38.7	39.4	39.4	39.4	39.4	39.4	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	11.6	36.8	37.4	38.7	39.4	39.4	39.4	39.4	39.4	40.0	40.0	40.0	40.0	40.0	40.0
≥ 18000	11.6	36.8	37.4	38.7	39.4	39.4	39.4	39.4	39.4	40.0	40.0	40.0	40.0	40.0	40.0
≥ 16000	11.6	36.8	37.4	38.7	39.4	39.4	39.4	39.4	39.4	40.0	40.0	40.0	40.0	40.0	40.0
≥ 14000	11.6	36.8	37.4	38.7	39.4	39.4	39.4	39.4	39.4	40.0	40.0	40.0	40.0	40.0	40.0
≥ 12000	11.6	36.8	37.4	38.7	39.4	39.4	39.4	39.4	39.4	40.0	40.0	40.0	40.0	40.0	40.0
≥ 10000	11.6	38.1	38.7	40.7	41.3	41.3	41.3	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9
≥ 9000	11.6	38.1	38.7	40.7	41.3	41.3	41.3	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9
≥ 8000	11.6	40.7	41.3	43.2	43.9	44.5	44.5	44.5	44.5	45.2	45.2	45.2	45.2	45.2	45.2
≥ 7000	11.6	41.3	41.9	43.9	44.5	45.2	45.2	45.2	45.2	45.8	45.8	45.8	45.8	45.8	45.8
≥ 6000	11.6	41.9	42.6	44.5	45.2	45.8	45.8	45.8	45.8	46.5	46.5	46.5	46.5	46.5	46.5
≥ 5000	11.6	41.9	42.6	44.5	45.2	45.8	45.8	45.8	45.8	46.5	46.5	46.5	46.5	46.5	46.5
≥ 4500	11.6	43.2	43.9	45.8	46.5	47.1	47.1	47.1	47.1	47.7	47.7	47.7	47.7	47.7	47.7
≥ 4000	12.3	44.5	45.2	47.1	47.7	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0
≥ 3500	12.3	44.5	45.8	47.7	48.4	49.0	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7
≥ 3000	12.3	46.5	47.7	49.7	50.3	51.0	51.0	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6
≥ 2500	12.3	49.0	51.0	52.9	53.6	54.2	54.2	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8
≥ 2000	13.6	54.2	56.8	58.7	59.4	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7
≥ 1800	13.6	54.2	56.8	58.7	60.0	60.7	60.7	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3
≥ 1500	13.6	58.7	61.9	64.5	66.5	67.1	67.1	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7
≥ 1200	13.6	60.7	64.5	67.1	69.0	69.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3
≥ 1000	13.6	63.2	69.0	72.3	74.8	75.5	75.5	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1
≥ 900	13.6	63.2	69.0	72.3	74.8	75.5	75.5	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1
≥ 800	13.6	63.2	69.0	73.6	76.1	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 700	13.6	63.2	69.0	73.6	76.8	78.1	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7
≥ 600	13.6	63.2	69.0	73.6	76.8	78.1	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7
≥ 500	13.6	63.9	70.3	74.8	78.7	80.0	80.0	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3
≥ 400	13.6	63.9	70.3	74.8	78.7	80.0	80.0	80.0	80.0	81.9	81.9	81.9	81.9	81.9	81.9
≥ 300	13.6	63.9	70.3	75.5	80.0	81.3	81.3	81.3	81.3	83.9	83.9	83.9	83.9	83.9	83.9
≥ 200	13.6	63.9	71.0	76.1	80.7	81.9	82.6	82.6	82.6	84.5	84.5	84.5	84.5	84.5	84.5
≥ 100	13.6	63.9	71.0	76.1	80.7	81.9	82.6	83.2	83.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 0	13.6	63.9	71.0	76.1	80.7	81.9	82.6	83.2	83.2	85.2	85.2	85.2	85.2	85.2	85.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

MIRAMAR, CALIFORNIA

73-77

YEARS

OCT

STATION NAME

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	12.3	32.9	34.2	34.8	36.1	36.1	37.4	37.4	37.4	37.4	37.4	38.1	38.1
≥ 20000	12.3	32.9	34.2	34.8	36.1	36.1	37.4	37.4	37.4	37.4	37.4	38.1	38.1
≥ 18000	12.3	32.9	34.2	34.8	36.1	36.1	37.4	37.4	37.4	37.4	37.4	38.1	38.1
≥ 16000	12.3	32.9	34.2	34.8	36.1	36.1	37.4	37.4	37.4	37.4	37.4	38.1	38.1
≥ 14000	12.3	33.6	34.8	35.5	36.8	36.8	38.1	38.1	38.1	38.1	38.1	38.7	38.7
≥ 12000	12.3	34.8	36.1	36.8	38.1	38.1	39.4	39.4	39.4	39.4	39.4	40.0	40.0
≥ 10000	12.3	34.8	36.1	36.8	38.1	38.1	40.0	40.0	40.0	40.0	40.0	40.7	40.7
≥ 8000	12.3	35.5	36.8	37.4	39.4	39.4	40.7	40.7	40.7	40.7	40.7	41.3	41.3
≥ 7000	12.3	36.1	37.4	38.1	40.0	40.0	41.3	41.3	41.3	41.3	41.3	41.9	41.9
≥ 6000	12.3	36.1	37.4	38.1	40.0	40.0	41.3	41.3	41.3	41.3	41.3	41.9	41.9
≥ 5000	12.3	36.8	38.1	38.7	40.7	40.7	41.9	41.9	41.9	41.9	41.9	42.6	42.6
≥ 4500	12.3	38.1	39.4	40.0	41.9	41.9	43.2	43.2	43.2	43.2	43.2	43.9	43.9
≥ 4000	12.3	39.4	40.7	41.3	43.2	43.2	44.5	44.5	44.5	44.5	44.5	45.2	45.2
≥ 3500	12.9	41.3	42.6	43.2	45.2	45.2	46.5	46.5	46.5	46.5	46.5	47.1	47.1
≥ 3000	13.6	43.9	45.6	46.5	48.4	48.4	49.7	49.7	49.7	49.7	49.7	50.3	50.3
≥ 2500	13.6	45.8	48.4	49.7	51.6	51.6	52.9	52.9	52.9	52.9	52.9	53.6	53.6
≥ 2000	14.2	52.3	55.5	56.8	58.7	58.7	60.0	60.0	60.0	60.0	60.0	60.7	60.7
≥ 1800	14.2	52.3	55.5	56.8	59.4	59.4	60.7	60.7	60.7	60.7	60.7	61.3	61.3
≥ 1500	14.8	56.8	60.7	62.6	65.2	65.2	66.5	66.5	66.5	66.5	66.5	67.1	67.1
≥ 1200	14.8	57.4	61.9	63.9	66.5	66.5	67.7	67.7	67.7	67.7	67.7	68.4	68.4
≥ 1000	14.8	58.7	64.5	67.7	71.0	71.0	72.9	72.9	72.9	72.9	72.9	73.6	73.6
≥ 900	14.8	58.7	64.5	67.7	71.0	71.0	72.9	72.9	72.9	72.9	72.9	73.6	73.6
≥ 800	14.8	59.4	65.2	68.4	71.6	71.6	73.6	73.6	73.6	73.6	73.6	74.2	74.2
≥ 700	14.8	60.0	66.5	69.7	74.2	74.2	76.8	76.8	76.8	76.8	76.8	77.4	77.4
≥ 600	14.8	60.0	66.5	69.7	75.5	75.5	78.1	78.1	78.1	78.1	78.1	78.7	78.7
≥ 500	14.8	60.7	67.7	71.6	78.7	78.7	81.3	81.3	81.3	81.3	81.3	82.6	82.6
≥ 400	14.8	60.7	67.7	71.6	80.0	80.0	82.6	82.6	82.6	82.6	82.6	83.9	83.9
≥ 300	14.8	60.7	68.4	72.3	81.3	81.3	84.5	84.5	84.5	84.5	84.5	85.8	85.8
≥ 200	14.8	60.7	68.4	72.3	81.3	81.3	84.5	84.5	84.5	84.5	84.5	85.8	85.8
≥ 100	14.8	60.7	68.4	72.3	81.3	81.3	84.5	84.5	84.5	84.5	84.5	85.8	85.8
≥ 0	14.8	60.7	68.4	72.3	81.3	81.3	84.5	84.5	84.5	84.5	84.5	85.8	85.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107 STATION

MIRAMAR, CALIFORNIA

73-77

OCT

MONTH

07

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	19.4	34.2	35.5	36.8	36.8	37.4	38.1	38.1	38.1	38.1	38.1	38.1	38.7	39.4
≥ 20000	19.4	34.8	36.1	37.4	38.1	38.7	40.7	40.7	40.7	41.3	41.3	41.3	41.9	42.6
≥ 18000	19.4	34.8	36.1	37.4	38.1	38.7	40.7	40.7	40.7	41.3	41.3	41.3	41.9	42.6
≥ 16000	19.4	34.8	36.1	37.4	38.1	38.7	40.7	40.7	40.7	41.3	41.3	41.3	41.9	42.6
≥ 14000	19.4	35.5	36.8	38.1	38.7	39.4	41.3	41.3	41.3	41.9	41.9	41.9	42.6	43.2
≥ 12000	19.4	35.5	36.8	38.1	38.7	39.4	41.3	41.3	41.3	41.9	41.9	41.9	42.6	43.2
≥ 10000	19.4	36.1	37.4	38.7	39.4	40.0	41.9	41.9	41.9	42.6	42.6	42.6	43.2	43.9
≥ 9000	19.4	36.1	37.4	38.7	39.4	40.0	41.9	41.9	41.9	42.6	42.6	42.6	43.2	43.9
≥ 8000	19.4	36.1	38.1	39.4	40.7	41.3	43.2	43.2	43.2	43.9	43.9	43.9	44.5	45.2
≥ 7000	20.0	37.4	39.4	40.7	41.9	42.6	44.5	44.5	44.5	45.2	45.2	45.2	45.8	46.5
≥ 6000	20.0	37.4	39.4	40.7	41.9	42.6	44.5	44.5	44.5	45.2	45.2	45.2	45.8	46.5
≥ 5000	20.0	37.4	39.4	40.7	41.9	42.6	44.5	44.5	44.5	45.2	45.2	45.2	45.8	46.5
≥ 4500	20.0	38.7	40.7	41.9	43.2	43.9	45.8	45.8	45.8	46.5	46.5	46.5	47.1	47.7
≥ 4000	20.7	40.7	42.6	43.9	45.2	45.8	47.7	47.7	47.7	48.4	48.4	48.4	49.0	49.7
≥ 3500	21.3	41.9	43.9	45.2	46.5	47.1	49.0	49.0	49.0	49.7	49.7	49.7	50.3	51.0
≥ 3000	21.3	47.1	49.0	50.3	51.6	52.3	54.2	54.2	54.2	54.8	54.8	54.8	55.5	56.1
≥ 2500	21.9	49.7	51.6	54.2	55.5	56.1	58.1	58.1	58.1	58.7	58.7	58.7	59.4	60.0
≥ 2000	21.9	54.8	57.4	60.0	61.9	62.6	64.5	64.5	64.5	65.2	65.2	65.2	65.8	66.5
≥ 1800	21.9	56.1	58.7	61.9	63.9	64.5	66.5	66.5	66.5	67.1	67.1	67.1	67.7	68.4
≥ 1500	22.6	58.1	61.9	65.8	68.4	69.0	71.0	71.0	71.0	71.6	71.6	71.6	72.3	72.9
≥ 1200	22.6	58.7	63.2	67.1	69.7	70.3	72.3	72.3	72.3	72.9	72.9	72.9	73.6	74.2
≥ 1000	22.6	59.4	63.9	68.4	71.6	72.9	75.5	75.5	75.5	76.8	76.8	76.8	77.4	78.1
≥ 900	22.6	59.4	63.9	68.4	71.6	72.9	75.5	75.5	75.5	76.8	76.8	76.8	77.4	78.1
≥ 800	22.6	60.0	64.5	69.0	72.3	73.6	76.1	76.1	76.1	77.4	77.4	77.4	78.1	78.7
≥ 700	22.6	60.0	64.5	69.0	72.9	74.2	76.8	76.8	76.8	78.1	78.1	78.1	78.7	79.4
≥ 600	22.6	60.0	64.5	69.0	74.2	75.5	80.0	80.0	80.0	81.3	81.3	81.3	81.9	82.6
≥ 500	22.6	60.0	64.5	69.0	74.2	75.5	81.3	81.3	81.3	83.9	83.9	83.9	84.5	85.2
≥ 400	22.6	60.0	64.5	69.0	74.2	75.5	81.3	81.3	81.3	85.2	85.2	85.2	85.8	86.5
≥ 300	22.6	60.0	64.5	69.0	74.8	76.1	82.6	83.9	83.9	87.1	87.1	87.1	87.7	88.4
≥ 200	22.6	60.0	64.5	69.0	74.8	76.1	82.6	83.9	83.9	88.4	89.0	89.0	89.7	90.3
≥ 100	22.6	60.0	64.5	69.0	74.8	76.1	82.6	83.9	83.9	88.4	89.0	89.0	89.7	91.0
0	22.6	60.0	64.5	69.0	74.8	76.1	82.6	83.9	83.9	88.4	89.0	89.0	89.7	91.0

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	20.7	41.3	48.4	56.1	61.9	64.3	65.2	65.2	65.2	65.2	65.2
≥ 20000	20.7	43.2	50.3	59.4	65.2	67.7	68.4	68.4	68.4	68.4	68.4
≥ 18000	20.7	43.2	51.0	60.0	65.8	68.4	69.0	69.0	69.0	69.0	69.0
≥ 16000	20.7	43.2	51.0	60.7	66.5	69.0	69.7	69.7	69.7	69.7	69.7
≥ 14000	20.7	43.2	51.0	60.7	66.5	69.0	69.7	69.7	69.7	69.7	69.7
≥ 12000	20.7	44.5	52.3	61.9	67.7	70.3	71.0	71.0	71.0	71.0	71.0
≥ 10000	20.7	45.8	53.6	63.2	69.0	71.6	72.3	72.3	72.3	72.3	72.3
≥ 9000	20.7	45.8	53.6	63.2	69.0	71.6	72.3	72.3	72.3	72.3	72.3
≥ 8000	20.7	45.8	53.6	63.2	69.7	72.3	72.9	72.9	72.9	72.9	72.9
≥ 7000	20.7	45.8	53.6	63.2	69.7	72.3	72.9	72.9	72.9	72.9	72.9
≥ 6000	20.7	45.8	53.6	63.2	69.7	72.3	72.9	72.9	72.9	72.9	72.9
≥ 5000	20.7	46.5	54.2	63.9	70.3	72.9	73.6	73.6	73.6	73.6	73.6
≥ 4500	20.7	46.5	54.2	63.9	70.3	72.9	73.6	73.6	73.6	73.6	73.6
≥ 4000	20.7	47.1	54.8	64.5	71.0	73.6	74.2	74.2	74.2	74.2	74.2
≥ 3500	21.3	47.7	55.5	65.2	71.6	74.2	74.8	74.8	74.8	74.8	74.8
≥ 3000	21.9	51.0	58.7	69.0	75.5	78.1	78.7	78.7	78.7	78.7	78.7
≥ 2500	22.6	54.8	62.6	73.6	80.0	82.6	83.2	83.2	83.2	83.2	83.2
≥ 2000	24.5	61.3	69.0	80.7	87.1	89.7	90.3	90.3	90.3	90.3	90.3
≥ 1800	24.5	61.9	69.7	81.3	87.7	90.3	91.0	91.0	91.0	91.0	91.0
≥ 1500	24.5	63.2	71.6	83.9	91.6	94.2	94.8	94.8	94.8	94.8	94.8
≥ 1200	24.5	64.5	72.9	85.6	93.6	96.1	96.8	96.8	96.8	96.8	96.8
≥ 1000	24.5	64.5	73.6	86.5	94.2	96.8	97.4	98.1	98.1	98.1	98.1
≥ 900	24.5	64.5	73.6	86.5	94.2	96.8	98.1	98.7	98.7	98.7	98.7
≥ 800	24.5	64.5	73.6	86.5	94.2	96.8	98.1	98.7	98.7	98.7	98.7
≥ 700	24.5	64.5	73.6	86.5	94.2	96.8	98.1	98.7	98.7	98.7	98.7
≥ 600	24.5	64.5	73.6	86.5	94.2	96.8	98.1	98.7	98.7	98.7	98.7
≥ 500	24.5	64.5	73.6	86.5	94.2	96.8	98.1	98.7	98.7	98.7	98.7
≥ 400	24.5	64.5	73.6	86.5	94.2	96.8	98.1	98.7	98.7	98.7	98.7
≥ 300	24.5	64.5	73.6	86.5	94.2	96.8	98.1	98.7	98.7	98.7	98.7
≥ 200	24.5	64.5	73.6	86.5	94.2	96.8	98.1	98.7	98.7	98.7	98.7
≥ 100	24.5	64.5	73.6	86.5	94.2	96.8	98.1	98.7	98.7	98.7	98.7
0	24.5	64.5	73.6	86.5	94.2	96.8	98.1	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107

MIRAMAR, CALIFORNIA

73-77

UCT

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.Y.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	21.3	52.3	57.4	63.2	67.1	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 20000	21.3	54.8	60.0	66.5	70.3	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 18000	21.3	54.8	60.0	66.5	70.3	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 16000	21.3	54.8	60.0	66.5	71.0	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 14000	21.3	55.5	60.7	67.1	71.6	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 12000	21.3	56.1	61.3	67.7	72.3	74.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 10000	21.3	58.1	63.2	69.7	74.2	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 9000	21.3	58.1	63.2	69.7	74.2	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 8000	21.3	58.1	63.2	69.7	74.2	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 7000	21.3	58.1	63.2	69.7	74.2	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000	21.3	58.1	63.2	69.7	74.2	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 5000	21.3	58.7	63.9	70.3	74.8	77.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	21.3	58.7	63.9	70.3	74.8	77.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000	21.3	59.4	64.5	71.0	75.5	78.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	21.3	60.7	65.8	72.3	76.8	79.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000	21.9	61.9	67.1	73.6	78.1	80.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500	25.2	69.7	75.5	81.9	86.5	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	25.2	73.6	80.0	86.5	91.0	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	25.2	73.6	80.0	86.5	91.0	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500	25.8	74.8	81.3	87.7	92.3	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	25.8	74.8	81.3	87.7	92.3	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	25.8	75.5	81.9	88.4	92.9	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	25.8	75.5	81.9	88.4	92.9	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	25.8	75.5	81.9	88.4	92.9	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	25.8	75.5	81.9	88.4	92.9	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	25.8	75.5	81.9	88.4	92.9	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	25.8	76.1	82.6	89.0	93.6	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	25.8	76.1	82.6	89.0	93.6	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	25.8	76.1	82.6	89.0	93.6	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	25.8	76.1	82.6	89.0	93.6	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	25.8	76.1	82.6	89.0	93.6	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	25.8	76.1	82.6	89.0	93.6	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

UCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	20.0	51.6	55.5	59.4	64.5	69.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6
≥ 20000	20.0	54.8	60.0	64.5	70.3	74.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 18000	20.0	54.8	60.0	64.5	70.3	74.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 16000	20.0	54.8	60.0	64.5	70.3	74.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 14000	20.0	55.5	60.7	65.2	71.0	75.5	78.1	78.7	78.7	78.7	78.7	78.7	78.7
≥ 12000	20.7	56.8	61.9	66.5	72.3	76.8	79.4	80.0	80.0	80.0	80.0	80.0	80.0
≥ 10000	20.7	56.8	61.9	66.5	72.3	76.8	79.4	80.0	80.0	80.0	80.0	80.0	80.0
≥ 9000	20.7	56.8	61.9	66.5	72.3	76.8	79.4	80.0	80.0	80.0	80.0	80.0	80.0
≥ 8000	20.7	56.8	62.6	67.1	72.9	77.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000	20.7	57.4	63.2	67.7	73.6	78.1	80.7	81.3	81.3	81.3	81.3	81.3	81.3
≥ 6000	20.7	57.4	63.2	67.7	73.6	78.1	80.7	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	20.7	57.4	63.2	67.7	73.6	78.1	80.7	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500	20.7	58.1	63.9	68.4	74.2	78.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000	20.7	59.4	65.2	69.7	75.5	80.0	82.6	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3500	20.7	60.7	66.5	71.0	76.8	81.3	83.9	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	20.7	61.9	67.7	72.3	78.1	82.6	85.2	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500	23.9	65.8	71.6	76.1	81.9	86.5	89.0	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000	24.5	69.7	75.5	80.7	86.5	91.0	93.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	24.5	69.7	75.5	80.7	86.5	91.0	93.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	24.5	72.3	78.1	83.2	89.0	93.6	96.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	24.5	72.3	78.1	83.2	89.0	93.6	96.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	24.5	72.9	78.7	83.9	89.7	94.2	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	24.5	72.9	78.7	83.9	89.7	94.2	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	24.5	72.9	78.7	83.9	89.7	94.2	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	24.5	73.6	79.4	84.5	90.3	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	24.5	73.6	79.4	84.5	90.3	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	24.5	73.6	79.4	84.5	90.3	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	24.5	73.6	79.4	84.5	90.3	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	24.5	73.6	79.4	84.5	90.3	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	24.5	73.6	79.4	84.5	90.3	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	24.5	73.6	79.4	84.5	90.3	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	24.5	73.6	79.4	84.5	90.3	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	12.9	51.6	57.4	60.0	65.2	65.2	67.1	67.1	67.1	67.7	67.7	67.7	67.7
≥ 20000	13.6	53.6	59.4	61.9	67.7	67.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3
≥ 18000	13.6	53.6	59.4	61.9	67.7	67.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3
≥ 16000	13.6	53.6	59.4	61.9	67.7	67.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3
≥ 14000	13.6	53.6	59.4	61.9	67.7	67.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3
≥ 12000	13.6	54.2	60.0	62.6	68.4	68.4	70.3	70.3	70.3	71.0	71.0	71.0	71.0
≥ 10000	13.6	54.2	60.0	62.6	68.4	68.4	70.3	70.3	70.3	71.0	71.0	71.0	71.0
≥ 9000	13.6	54.2	60.0	62.6	68.4	68.4	70.3	70.3	70.3	71.0	71.0	71.0	71.0
≥ 8000	13.6	54.8	61.3	64.3	70.3	70.3	72.3	72.3	72.3	72.9	72.9	72.9	72.9
≥ 7000	13.6	55.5	61.9	65.2	71.0	71.0	72.9	72.9	72.9	73.6	73.6	73.6	73.6
≥ 6000	13.6	55.5	61.9	65.2	71.0	71.0	72.9	72.9	72.9	73.6	73.6	73.6	73.6
≥ 5000	13.6	56.1	62.6	65.8	71.6	71.6	73.6	73.6	73.6	74.2	74.2	74.2	74.2
≥ 4500	13.6	56.1	62.6	65.8	71.6	71.6	73.6	73.6	73.6	74.2	74.2	74.2	74.2
≥ 4000	13.6	57.4	63.9	67.1	72.9	72.9	74.8	74.8	74.8	75.5	75.5	75.5	75.5
≥ 3500	13.6	59.4	66.5	69.7	75.5	75.5	77.4	77.4	77.4	78.1	78.1	78.1	78.1
≥ 3000	13.6	59.4	66.5	69.7	75.5	75.5	77.4	77.4	77.4	78.1	78.1	78.1	78.1
≥ 2500	15.5	64.5	71.6	74.8	80.7	80.7	82.6	82.6	82.6	83.2	83.2	83.2	83.2
≥ 2000	16.1	66.5	73.6	76.8	82.6	82.6	84.5	84.5	84.5	85.2	85.2	85.2	85.2
≥ 1800	16.8	67.1	74.2	77.4	83.2	83.2	85.2	85.2	85.2	85.8	85.8	85.8	85.8
≥ 1500	16.8	69.7	76.8	80.7	86.5	86.5	88.4	88.4	88.4	89.0	89.0	89.0	89.0
≥ 1200	16.8	71.6	78.7	82.6	88.4	88.4	90.3	90.3	90.3	91.0	91.0	91.0	91.0
≥ 1000	16.8	73.6	81.3	85.2	92.3	92.3	94.2	94.2	94.2	94.8	94.8	94.8	94.8
≥ 900	16.8	73.6	81.3	85.2	92.3	92.3	94.2	94.2	94.2	94.8	94.8	94.8	94.8
≥ 800	16.8	74.2	81.9	85.8	92.9	92.9	94.8	94.8	94.8	95.5	95.5	95.5	95.5
≥ 700	16.8	74.2	81.9	85.8	92.9	92.9	94.8	94.8	94.8	95.5	95.5	95.5	95.5
≥ 600	16.8	74.2	81.9	85.8	92.9	92.9	94.8	94.8	94.8	95.5	95.5	95.5	95.5
≥ 500	16.8	74.2	81.9	85.8	92.9	92.9	94.8	94.8	94.8	95.5	95.5	95.5	95.5
≥ 400	16.8	74.2	81.9	85.8	92.9	92.9	94.8	94.8	94.8	95.5	95.5	95.5	95.5
≥ 300	16.8	74.2	81.9	85.8	92.9	92.9	94.8	94.8	94.8	95.5	95.5	95.5	95.5
≥ 200	16.8	74.2	81.9	85.8	92.9	92.9	94.8	94.8	94.8	95.5	95.5	95.5	95.5
≥ 100	16.8	74.2	81.9	85.8	92.9	92.9	94.8	94.8	94.8	95.5	95.5	95.5	95.5
0	16.8	74.2	81.9	85.8	92.9	92.9	94.8	94.8	94.8	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	13.6	47.1	48.4	49.0	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	13.6	47.7	49.0	49.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	13.6	47.7	49.0	49.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 16000	13.6	47.7	49.0	49.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 14000	13.6	47.7	49.0	49.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 12000	13.6	47.7	49.0	49.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 10000	13.6	48.4	49.7	51.0	52.9	52.9	53.6	53.6	53.6	53.6	54.2	54.2	54.2	54.8
≥ 9000	13.6	48.4	49.7	51.0	52.9	52.9	53.6	53.6	53.6	53.6	54.2	54.2	54.2	54.8
≥ 8000	14.2	50.3	51.6	52.9	54.8	54.8	55.5	55.5	55.5	56.1	56.1	56.1	56.1	56.8
≥ 7000	14.8	51.0	52.3	53.6	55.5	55.5	56.1	56.1	56.1	56.1	56.8	56.8	56.8	57.4
≥ 6000	14.8	52.3	53.6	54.8	56.8	56.8	57.4	57.4	57.4	58.1	58.1	58.1	58.1	58.7
≥ 5000	14.8	52.9	54.2	55.5	57.4	57.4	58.1	58.1	58.1	58.7	58.7	58.7	58.7	59.4
≥ 4500	14.8	53.6	54.8	56.1	58.7	58.7	59.4	59.4	59.4	60.0	60.0	60.0	60.0	60.7
≥ 4000	14.8	53.6	54.8	56.1	59.4	59.4	60.0	60.0	60.0	60.0	60.7	60.7	60.7	61.3
≥ 3500	14.8	54.2	56.1	57.4	60.7	60.7	61.3	61.3	61.3	61.9	61.9	61.9	61.9	62.6
≥ 3000	14.8	54.8	56.8	58.1	61.3	61.3	61.9	61.9	61.9	61.9	62.6	62.6	62.6	63.2
≥ 2500	16.1	60.0	61.9	63.2	66.5	66.5	67.1	67.1	67.1	67.1	67.7	67.7	67.7	68.4
≥ 2000	16.1	62.6	64.8	65.8	69.0	69.0	69.7	69.7	69.7	69.7	70.3	70.3	70.3	71.0
≥ 1800	16.1	63.2	65.2	66.5	69.7	69.7	70.3	70.3	70.3	70.3	71.0	71.0	71.0	71.6
≥ 1500	16.1	65.2	67.7	69.0	72.3	72.3	72.9	72.9	72.9	72.9	73.6	73.6	73.6	74.2
≥ 1200	16.1	67.1	70.3	71.6	75.5	75.5	76.1	76.1	76.1	76.1	76.8	76.8	76.8	77.4
≥ 1000	16.1	70.3	75.5	76.8	80.7	80.7	81.3	81.3	81.3	81.3	81.9	81.9	81.9	82.6
≥ 900	16.1	70.3	75.5	77.4	81.3	81.3	81.9	81.9	81.9	81.9	82.6	82.6	82.6	83.2
≥ 800	16.1	71.0	76.1	78.1	82.6	82.6	83.2	83.2	83.2	83.2	83.9	83.9	83.9	84.5
≥ 700	16.1	71.0	76.1	78.1	82.6	82.6	83.2	83.2	83.2	83.2	83.9	83.9	83.9	84.5
≥ 600	16.1	71.0	76.1	78.7	83.2	83.2	83.2	83.2	83.2	83.2	83.9	83.9	83.9	84.5
≥ 500	16.1	71.0	76.8	80.0	85.2	85.2	85.2	85.2	85.2	85.2	85.8	85.8	85.8	86.5
≥ 400	16.1	71.0	76.8	80.0	86.5	86.5	87.1	87.1	87.1	87.1	87.7	87.7	87.7	88.4
≥ 300	16.1	71.0	76.8	80.0	86.5	86.5	87.1	87.1	87.1	87.1	87.7	87.7	87.7	88.4
≥ 200	16.1	71.0	76.8	80.0	86.5	86.5	87.1	87.1	87.1	87.1	87.7	87.7	87.7	88.4
≥ 100	16.1	71.0	76.8	80.0	86.5	86.5	87.1	87.1	87.1	87.1	87.7	87.7	87.7	88.4
0	16.1	71.0	76.8	80.0	86.5	86.5	87.1	87.1	87.1	87.1	87.7	87.7	87.7	88.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
MOUSE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	16.5	43.5	46.8	49.8	52.7	53.9	54.9	55.0	55.0	55.2	55.2	55.2	55.4	55.6	55.8
≥ 20000	16.5	44.8	48.3	51.6	54.8	56.1	57.3	57.4	57.4	57.7	57.7	57.7	57.9	58.1	58.3
≥ 18000	16.5	44.8	48.4	51.7	54.8	56.1	57.4	57.5	57.5	57.7	57.8	57.8	58.0	58.2	58.4
≥ 16000	16.5	44.8	48.4	51.8	55.0	56.3	57.6	57.7	57.7	57.9	58.0	58.0	58.2	58.3	58.6
≥ 14000	16.5	45.2	48.7	52.1	55.3	56.6	57.9	58.0	58.0	58.2	58.3	58.3	58.5	58.6	58.9
≥ 12000	16.6	45.8	49.4	52.7	56.0	57.3	58.6	58.6	58.6	58.9	59.0	59.0	59.1	59.3	59.5
≥ 10000	16.6	46.5	50.1	53.6	57.0	58.3	59.6	59.7	59.7	59.9	60.0	60.0	60.2	60.3	60.6
≥ 9000	16.6	46.5	50.1	53.6	57.0	58.3	59.6	59.7	59.7	59.9	60.0	60.0	60.2	60.3	60.6
≥ 8000	16.7	47.3	51.1	54.7	58.2	59.6	61.0	61.1	61.1	61.3	61.4	61.4	61.5	61.7	61.9
≥ 7000	16.9	47.8	51.6	55.2	58.8	60.2	61.5	61.6	61.6	61.9	61.9	62.1	62.1	62.3	62.5
≥ 6000	16.9	48.1	51.9	55.5	59.0	60.4	61.8	61.9	61.9	62.1	62.2	62.2	62.3	62.5	62.7
≥ 5000	16.9	48.5	52.3	55.9	59.4	60.8	62.2	62.3	62.3	62.5	62.6	62.6	62.7	62.9	63.2
≥ 4500	17.0	49.1	52.9	56.5	60.2	61.5	62.9	63.0	63.0	63.2	63.3	63.3	63.3	63.6	63.9
≥ 4000	17.0	50.2	54.0	57.6	61.3	62.7	64.0	64.1	64.1	64.4	64.4	64.4	64.6	64.8	65.0
≥ 3500	17.3	51.3	55.3	59.0	62.7	64.0	65.4	65.5	65.5	65.7	65.8	65.8	66.0	66.1	66.4
≥ 3000	17.5	53.3	57.4	61.1	64.8	66.2	67.6	67.7	67.7	67.9	68.0	68.0	68.2	68.3	68.6
≥ 2500	19.0	57.4	61.8	65.8	69.5	70.9	72.3	72.3	72.3	72.6	72.7	72.7	72.8	73.0	73.2
≥ 2000	19.5	61.8	66.5	70.7	74.5	75.9	77.3	77.3	77.3	77.6	77.7	77.7	77.8	78.0	78.2
≥ 1800	19.6	62.3	66.9	71.2	75.2	76.5	77.9	78.0	78.0	78.2	78.3	78.3	78.5	78.6	78.9
≥ 1500	19.8	64.8	70.0	74.7	79.0	80.3	81.7	81.9	81.9	82.1	82.2	82.2	82.3	82.5	82.7
≥ 1200	19.8	65.9	71.4	76.1	80.5	81.9	83.3	83.5	83.5	83.7	83.8	83.8	84.0	84.1	84.4
≥ 1000	19.8	67.3	73.6	78.4	83.4	84.8	86.6	86.9	86.9	87.2	87.3	87.3	87.4	87.6	87.8
≥ 900	19.8	67.3	73.6	78.7	83.5	84.9	86.8	87.0	87.0	87.3	87.4	87.4	87.6	87.7	88.0
≥ 800	19.8	67.6	73.9	79.2	84.0	85.6	87.4	87.7	87.7	88.0	88.1	88.1	88.2	88.4	88.6
≥ 700	19.8	67.7	74.1	79.4	84.6	86.2	88.2	88.5	88.5	88.8	88.9	88.9	89.0	89.2	89.4
≥ 600	19.8	67.8	74.2	79.6	85.1	86.7	89.1	89.4	89.4	89.8	89.8	89.8	90.0	90.2	90.4
≥ 500	19.8	68.0	74.6	80.2	86.0	87.6	90.2	90.6	90.6	91.2	91.3	91.3	91.5	91.6	91.9
≥ 400	19.8	68.0	74.6	80.2	86.4	88.0	90.7	91.1	91.1	91.9	92.0	92.0	92.2	92.3	92.6
≥ 300	19.8	68.0	74.7	80.3	86.8	88.5	91.5	92.0	92.0	92.9	93.0	93.0	93.2	93.4	93.6
≥ 200	19.8	68.0	74.8	80.4	86.9	88.6	91.6	92.2	92.2	93.4	93.7	93.7	94.2	94.4	94.7
≥ 100	19.8	68.0	74.8	80.4	86.9	88.6	91.7	92.3	92.3	93.6	93.9	93.9	94.6	95.6	97.3
0	19.8	68.0	74.8	80.4	86.9	88.6	91.7	92.3	92.3	93.6	93.9	93.9	94.6	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	24.7	58.7	60.7	62.0	62.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 20000	24.7	60.0	62.0	63.3	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000	24.7	60.0	62.0	63.3	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 16000	24.7	60.0	62.0	63.3	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 14000	24.7	60.0	62.0	63.3	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000	25.3	60.7	62.7	64.0	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000	25.3	61.3	63.3	64.7	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 9000	25.3	61.3	63.3	64.7	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 8000	25.3	62.0	64.0	65.3	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 7000	25.3	62.0	64.0	65.3	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 6000	25.3	62.0	64.0	65.3	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 5000	25.3	62.0	64.0	65.3	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4500	25.3	63.3	65.3	66.7	67.3	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 4000	25.3	63.3	65.3	66.7	67.3	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3500	25.3	63.3	65.3	66.7	67.3	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3000	25.3	65.3	67.3	68.7	69.3	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 2500	25.3	68.0	71.3	72.7	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 2000	25.3	71.3	75.3	77.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800	25.3	71.3	75.3	77.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1500	25.3	73.3	77.3	80.0	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1200	25.3	74.0	78.0	80.7	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1000	25.3	74.0	78.0	82.0	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 900	25.3	74.0	79.3	82.7	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 800	25.3	75.3	81.3	84.7	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 700	25.3	75.3	81.3	85.3	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 600	25.3	75.3	81.3	85.3	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 500	25.3	75.3	81.3	85.3	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 400	25.3	75.3	81.3	85.3	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 300	25.3	75.3	81.3	85.3	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 200	25.3	75.3	81.3	85.3	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 100	25.3	75.3	81.3	85.3	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3
0	25.3	75.3	81.3	85.3	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	29.3	64.0	65.3	66.7	66.7	66.7	68.0	68.0	68.0	68.7	68.7	68.7	68.7
≥ 20000	29.3	64.7	66.0	67.3	67.3	67.3	68.7	68.7	68.7	69.3	69.3	69.3	69.3
≥ 18000	29.3	64.7	66.0	67.3	67.3	67.3	68.7	68.7	68.7	69.3	69.3	69.3	69.3
≥ 16000	29.3	64.7	66.0	67.3	67.3	67.3	68.7	68.7	68.7	69.3	69.3	69.3	69.3
≥ 14000	29.3	64.7	66.0	67.3	67.3	67.3	68.7	68.7	68.7	69.3	69.3	69.3	69.3
≥ 12000	30.0	65.3	66.7	68.0	68.0	68.0	69.3	69.3	69.3	70.0	70.0	70.0	70.0
≥ 10000	30.0	65.3	66.7	68.0	68.0	68.0	69.3	69.3	69.3	70.0	70.0	70.0	70.0
≥ 9000	30.0	65.3	66.7	68.0	68.0	68.0	69.3	69.3	69.3	70.0	70.0	70.0	70.0
≥ 8000	30.0	65.3	66.7	68.0	68.0	68.0	69.3	69.3	69.3	70.0	70.0	70.0	70.0
≥ 7000	30.0	65.3	66.7	68.0	68.0	68.0	69.3	69.3	69.3	70.0	70.0	70.0	70.0
≥ 6000	30.0	65.3	66.7	68.0	68.0	68.0	69.3	69.3	69.3	70.0	70.0	70.0	70.0
≥ 5000	30.0	65.3	66.7	68.0	68.0	68.0	69.3	69.3	69.3	70.0	70.0	70.0	70.0
≥ 4500	30.0	65.3	66.7	68.0	68.0	68.0	69.3	69.3	69.3	70.0	70.0	70.0	70.0
≥ 4000	30.0	65.3	66.7	68.0	68.0	68.0	69.3	69.3	69.3	70.0	70.0	70.0	70.0
≥ 3500	30.0	65.3	66.7	68.0	68.0	68.0	69.3	69.3	69.3	70.0	70.0	70.0	70.0
≥ 3000	30.0	65.3	66.7	68.0	68.0	68.0	69.3	69.3	69.3	70.0	70.0	70.0	70.0
≥ 2500	30.7	70.7	72.0	74.0	74.0	74.0	75.3	75.3	75.3	76.0	76.0	76.0	76.0
≥ 2000	30.7	75.3	76.7	78.7	79.3	79.3	80.7	80.7	80.7	81.3	81.3	81.3	81.3
≥ 1800	30.7	75.3	77.3	80.0	80.7	80.7	82.0	82.0	82.0	82.7	82.7	82.7	82.7
≥ 1500	30.7	76.0	78.7	81.3	82.0	82.0	83.3	83.3	83.3	84.0	84.0	84.0	84.0
≥ 1200	30.7	76.0	78.7	81.3	82.0	82.0	83.3	83.3	83.3	84.0	84.0	84.0	84.0
≥ 1000	30.7	76.7	79.3	82.7	84.7	84.7	86.0	86.0	86.0	86.7	86.7	86.7	86.7
≥ 900	30.7	76.7	80.0	83.3	85.3	85.3	86.7	86.7	86.7	87.3	87.3	87.3	87.3
≥ 800	30.7	76.7	80.0	84.0	86.0	86.0	87.3	87.3	87.3	88.0	88.0	88.0	88.0
≥ 700	30.7	76.7	80.0	84.0	86.0	86.0	87.3	87.3	87.3	88.0	88.0	88.0	88.0
≥ 600	30.7	76.7	80.0	84.0	86.0	86.0	87.3	87.3	87.3	88.0	88.0	88.0	88.0
≥ 500	30.7	76.7	80.0	84.0	86.0	86.0	87.3	87.3	87.3	88.0	88.0	88.0	88.0
≥ 400	30.7	76.7	80.0	85.3	87.3	87.3	88.7	89.3	89.3	90.7	90.7	91.3	91.3
≥ 300	30.7	76.7	80.0	85.3	88.0	88.0	90.0	90.7	90.7	92.0	92.0	93.3	93.3
≥ 200	30.7	76.7	80.0	85.3	88.0	88.0	90.0	90.7	90.7	92.0	92.0	93.3	93.3
≥ 100	30.7	76.7	80.0	85.3	88.0	88.0	90.0	90.7	90.7	92.0	92.0	93.3	93.3
0	30.7	76.7	80.0	85.3	88.0	88.0	90.0	90.7	90.7	92.0	92.0	94.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107

MIRAMAR, CALIFORNIA

73-77

YEARS

NOV

STATION

STATION NAME

YEARS

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	44.0	59.3	62.0	63.3	66.7	67.3	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.3
≥ 20000	46.0	62.7	65.3	66.7	70.0	70.7	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.7
≥ 18000	46.7	63.3	66.0	67.3	70.7	71.3	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.3
≥ 16000	46.7	63.3	66.0	67.3	70.7	71.3	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.3
≥ 14000	46.7	63.3	66.0	67.3	70.7	71.3	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.3
≥ 12000	46.7	64.0	66.7	68.0	71.3	72.0	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	74.0
≥ 10000	46.7	64.0	66.7	68.0	71.3	72.0	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	74.0
≥ 8000	46.7	64.0	66.7	68.0	71.3	72.0	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	74.0
≥ 7000	46.7	64.0	66.7	68.0	71.3	72.0	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	74.0
≥ 6000	46.7	64.7	67.3	68.7	72.0	72.7	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.7
≥ 5000	46.7	64.7	67.3	68.7	72.0	72.7	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.7
≥ 4500	46.7	64.7	67.3	68.7	72.7	73.3	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	75.3
≥ 4000	46.7	64.7	67.3	68.7	72.7	73.3	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	75.3
≥ 3500	46.7	66.0	68.7	70.0	74.0	74.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.7
≥ 3000	47.3	68.7	71.3	72.7	76.7	77.3	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.3
≥ 2500	48.0	70.7	74.0	76.0	80.7	81.3	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	83.3
≥ 2000	48.0	70.7	74.0	76.0	81.3	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0
≥ 1800	48.0	70.7	74.0	76.0	81.3	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0
≥ 1500	48.0	72.7	76.0	78.0	84.0	84.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.7
≥ 1200	48.0	73.3	76.7	78.7	84.7	85.3	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.3
≥ 1000	48.0	74.0	77.3	80.0	86.0	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3
≥ 900	48.0	74.0	77.3	80.0	86.0	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3
≥ 800	48.0	74.0	77.3	80.0	86.0	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3
≥ 700	48.0	74.0	77.3	80.0	86.0	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3
≥ 600	48.0	74.0	77.3	80.0	86.0	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3
≥ 500	48.0	74.0	77.3	80.0	86.0	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3
≥ 400	48.0	74.0	77.3	80.0	86.0	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3
≥ 300	48.0	74.0	77.3	80.0	86.0	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3
≥ 200	48.0	74.0	77.3	80.0	86.0	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3
≥ 100	48.0	74.0	77.3	80.0	86.0	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3
0	48.0	74.0	77.3	80.0	86.0	86.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

NOV
MONTH

10
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	44.0	64.0	67.3	68.0	71.3	71.3	72.7	72.7	72.7	74.0	74.0	74.0	74.0	74.0
≥ 20000	44.0	66.0	69.3	70.0	74.0	74.0	75.3	75.3	75.3	76.7	76.7	76.7	76.7	76.7
≥ 18000	44.7	66.7	70.0	70.7	74.7	74.7	76.0	76.0	76.0	77.3	77.3	77.3	77.3	77.3
≥ 16000	44.7	66.7	70.0	70.7	74.7	74.7	76.0	76.0	76.0	77.3	77.3	77.3	77.3	77.3
≥ 14000	44.7	66.7	70.0	70.7	74.7	74.7	76.0	76.0	76.0	77.3	77.3	77.3	77.3	77.3
≥ 12000	46.0	68.0	71.3	72.0	76.7	76.7	78.0	78.0	78.0	79.3	79.3	79.3	79.3	79.3
≥ 10000	46.0	68.7	72.0	72.7	77.3	77.3	78.7	78.7	78.7	80.0	80.0	80.0	80.0	80.0
≥ 9000	46.0	68.7	72.0	72.7	77.3	77.3	78.7	78.7	78.7	80.0	80.0	80.0	80.0	80.0
≥ 8000	46.0	68.7	72.0	72.7	77.3	77.3	78.7	78.7	78.7	80.0	80.0	80.0	80.0	80.0
≥ 7000	46.0	68.7	72.0	72.7	77.3	77.3	78.7	78.7	78.7	80.0	80.0	80.0	80.0	80.0
≥ 6000	46.0	68.7	72.0	72.7	77.3	77.3	78.7	78.7	78.7	80.0	80.0	80.0	80.0	80.0
≥ 5000	46.0	68.7	72.0	72.7	77.3	77.3	78.7	78.7	78.7	80.0	80.0	80.0	80.0	80.0
≥ 4500	46.0	68.7	72.0	72.7	77.3	77.3	78.7	78.7	78.7	80.0	80.0	80.0	80.0	80.0
≥ 4000	46.7	70.7	74.0	74.7	79.3	79.3	80.7	80.7	80.7	82.0	82.0	82.0	82.0	82.0
≥ 3500	47.3	72.0	75.3	76.0	80.7	80.7	82.0	82.0	82.0	83.3	83.3	83.3	83.3	83.3
≥ 3000	47.3	72.0	75.3	76.0	80.7	80.7	82.0	82.0	82.0	83.3	83.3	83.3	83.3	83.3
≥ 2500	48.0	77.3	80.7	81.3	86.0	86.0	87.3	87.3	87.3	88.7	88.7	88.7	88.7	88.7
≥ 2000	48.0	80.0	83.3	84.0	90.0	90.0	92.0	92.0	92.0	93.3	93.3	93.3	93.3	93.3
≥ 1800	48.0	80.7	84.0	84.7	90.7	91.3	93.3	93.3	93.3	94.7	94.7	94.7	94.7	94.7
≥ 1500	48.0	80.7	84.0	85.3	91.3	92.0	94.0	94.0	94.0	95.3	95.3	95.3	95.3	95.3
≥ 1200	48.0	80.7	84.0	85.3	91.3	92.0	94.0	94.0	94.0	95.3	95.3	95.3	95.3	95.3
≥ 1000	48.0	81.3	84.7	86.0	92.0	92.7	94.7	94.7	94.7	96.7	96.7	96.7	96.7	96.7
≥ 900	48.0	81.3	84.7	86.0	92.0	92.7	94.7	94.7	94.7	96.7	96.7	96.7	96.7	96.7
≥ 800	48.0	82.0	85.3	86.7	92.7	94.0	96.0	96.0	96.0	98.0	98.0	98.0	98.0	98.0
≥ 700	48.0	82.0	85.3	86.7	92.7	94.0	96.0	96.0	96.0	98.0	98.0	98.0	98.0	98.0
≥ 600	48.0	82.0	85.3	86.7	93.3	94.7	97.3	97.3	97.3	99.3	99.3	99.3	99.3	99.3
≥ 500	48.0	82.0	85.3	86.7	93.3	94.7	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 400	48.0	82.0	85.3	86.7	93.3	94.7	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 300	48.0	82.0	85.3	86.7	93.3	94.7	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 200	48.0	82.0	85.3	86.7	93.3	94.7	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 100	48.0	82.0	85.3	86.7	93.3	94.7	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0
0	48.0	82.0	85.3	86.7	93.3	94.7	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	38.0	62.7	65.3	66.7	70.7	71.3	72.7	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0
≥ 20000	41.3	69.3	72.0	73.3	77.3	78.0	79.3	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7
≥ 18000	41.3	69.3	72.0	73.3	77.3	78.0	79.3	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7
≥ 16000	41.3	69.3	72.0	73.3	77.3	78.0	79.3	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7
≥ 14000	41.3	69.3	72.0	73.3	77.3	78.0	79.3	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7
≥ 12000	42.0	70.0	72.7	74.0	78.7	79.3	80.7	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0
≥ 10000	42.0	71.3	74.0	75.3	80.0	80.7	82.0	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3
≥ 9000	42.0	71.3	74.0	75.3	80.0	80.7	82.0	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3
≥ 8000	42.0	72.0	74.7	76.0	80.7	81.3	82.7	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0
≥ 7000	42.0	72.0	74.7	76.0	80.7	81.3	82.7	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0
≥ 6000	42.0	72.0	74.7	76.0	80.7	81.3	82.7	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0
≥ 5000	42.0	72.7	75.3	76.7	81.3	82.0	83.3	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	42.0	72.7	75.3	76.7	81.3	82.0	83.3	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4000	42.0	72.7	75.3	76.7	81.3	82.0	83.3	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3500	42.7	74.0	76.7	78.0	82.7	83.3	84.7	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	42.7	74.0	77.3	78.7	83.3	84.7	86.0	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2500	44.0	78.0	80.7	82.0	86.7	88.0	89.3	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000	44.7	82.0	84.7	86.0	90.7	92.7	94.0	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	44.7	82.7	85.3	86.7	91.3	93.3	94.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500	44.7	83.3	86.0	87.3	92.0	94.0	95.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	44.7	83.3	86.0	87.3	92.0	94.0	95.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	44.7	83.3	86.0	87.3	92.0	94.0	95.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	44.7	83.3	86.0	87.3	92.0	94.0	95.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	44.7	83.3	86.0	87.3	92.0	94.0	95.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	44.7	83.3	86.0	87.3	92.0	94.0	95.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	44.7	84.0	86.7	88.0	93.3	95.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	44.7	84.0	86.7	88.0	93.3	95.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	44.7	84.0	86.7	88.0	93.3	95.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	44.7	84.0	86.7	88.0	93.3	95.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	44.7	84.0	86.7	88.0	93.3	95.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	44.7	84.0	86.7	88.0	93.3	95.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	44.7	84.0	86.7	88.0	93.3	95.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

NOV
MONTH

16
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	34.0	64.0	64.7	66.7	70.7	71.3	72.7	73.3	73.3	75.3	75.3	75.3	75.3	75.3
≥ 20000	38.7	72.0	72.7	74.7	79.3	80.7	82.0	82.7	82.7	84.7	84.7	84.7	84.7	84.7
≥ 18000	38.7	72.0	72.7	74.7	79.3	80.7	82.0	82.7	82.7	84.7	84.7	84.7	84.7	84.7
≥ 16000	38.7	72.0	72.7	74.7	79.3	80.7	82.0	82.7	82.7	84.7	84.7	84.7	84.7	84.7
≥ 14000	38.7	72.0	72.7	74.7	79.3	80.7	82.0	82.7	82.7	84.7	84.7	84.7	84.7	84.7
≥ 12000	39.3	72.7	73.3	75.3	80.0	81.3	82.7	83.3	83.3	85.3	85.3	85.3	85.3	85.3
≥ 10000	39.3	74.0	74.7	76.7	81.3	82.7	84.0	84.7	84.7	86.7	86.7	86.7	86.7	86.7
≥ 9000	39.3	74.0	74.7	76.7	81.3	82.7	84.0	84.7	84.7	86.7	86.7	86.7	86.7	86.7
≥ 8000	39.3	74.7	75.3	77.3	82.0	83.3	84.7	85.3	85.3	87.3	87.3	87.3	87.3	87.3
≥ 7000	39.3	74.7	75.3	77.3	82.0	83.3	84.7	85.3	85.3	87.3	87.3	87.3	87.3	87.3
≥ 6000	39.3	74.7	75.3	77.3	82.0	83.3	84.7	85.3	85.3	87.3	87.3	87.3	87.3	87.3
≥ 5000	39.3	74.7	75.3	77.3	82.0	83.3	84.7	85.3	85.3	87.3	87.3	87.3	87.3	87.3
≥ 4500	39.3	76.7	77.3	79.3	84.0	85.3	86.7	87.3	87.3	89.3	89.3	89.3	89.3	89.3
≥ 4000	40.7	78.7	79.3	81.3	86.0	87.3	88.7	89.3	89.3	91.3	91.3	91.3	91.3	91.3
≥ 3500	40.7	78.7	79.3	81.3	86.0	87.3	88.7	89.3	89.3	91.3	91.3	91.3	91.3	91.3
≥ 3000	40.7	78.7	79.3	81.3	86.0	87.3	88.7	89.3	89.3	91.3	91.3	91.3	91.3	91.3
≥ 2500	40.7	80.7	81.3	83.3	88.7	90.0	91.3	92.0	92.0	94.0	94.0	94.0	94.0	94.0
≥ 2000	40.7	82.0	82.7	84.7	90.0	91.3	92.7	93.3	93.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	40.7	83.3	84.0	86.0	91.3	92.7	94.0	94.7	94.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	40.7	83.3	84.0	86.0	91.3	92.7	94.0	94.7	94.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	40.7	83.3	84.0	86.0	91.3	92.7	94.0	94.7	94.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	40.7	84.0	84.7	86.7	92.0	93.3	95.3	96.0	96.0	98.0	98.0	98.0	98.0	98.0
≥ 900	40.7	84.0	84.7	86.7	92.0	93.3	95.3	96.0	96.0	98.0	98.0	98.0	98.0	98.0
≥ 800	40.7	84.0	84.7	86.7	92.0	93.3	95.3	96.0	96.0	98.0	98.0	98.0	98.0	98.0
≥ 700	40.7	84.0	84.7	86.7	92.0	93.3	95.3	96.0	96.0	98.0	98.0	98.0	98.0	98.0
≥ 600	40.7	84.0	84.7	86.7	92.0	93.3	95.3	96.0	96.0	98.0	98.0	98.0	98.0	98.0
≥ 500	40.7	84.0	84.7	87.3	92.7	94.0	96.7	97.3	97.3	99.3	99.3	99.3	99.3	99.3
≥ 400	40.7	84.0	84.7	87.3	92.7	94.0	96.7	97.3	97.3	99.3	99.3	99.3	99.3	99.3
≥ 300	40.7	84.0	84.7	87.3	92.7	94.0	96.7	97.3	97.3	99.3	99.3	99.3	99.3	99.3
≥ 200	40.7	84.0	84.7	87.3	92.7	94.0	96.7	97.3	97.3	99.3	99.3	99.3	99.3	99.3
≥ 100	40.7	84.0	84.7	87.3	92.7	94.0	96.7	97.3	97.3	99.3	99.3	99.3	99.3	99.3
≥ 0	40.7	84.0	84.7	87.3	92.7	94.0	96.7	97.3	97.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107

MIRAMAR, CALIFORNIA

73-77

YEARS

NDV

MONTH

19

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	26.7	58.7	60.0	62.0	63.3	63.3	64.0	64.7	64.7	64.7	65.3	65.3	65.3
≥ 20000	28.7	63.3	64.7	66.7	68.0	68.0	68.7	69.3	69.3	69.3	70.0	70.0	70.0
AI 18000	28.7	63.3	64.7	66.7	68.0	68.0	68.7	69.3	69.3	69.3	70.0	70.0	70.0
AI 16000	28.7	63.3	64.7	66.7	68.0	68.0	68.7	69.3	69.3	69.3	70.0	70.0	70.0
AI 14000	28.7	63.3	64.7	66.7	68.0	68.0	68.7	69.3	69.3	69.3	70.0	70.0	70.0
AI 12000	29.3	64.0	65.3	67.3	68.7	68.7	69.3	70.0	70.0	70.0	70.7	70.7	70.7
AI 10000	30.0	65.3	66.7	68.7	70.0	70.0	70.7	71.3	71.3	71.3	72.0	72.0	72.0
AI 9000	30.0	65.3	66.7	68.7	70.0	70.0	70.7	71.3	71.3	71.3	72.0	72.0	72.0
AI 8000	30.0	66.0	67.3	69.3	70.7	70.7	71.3	72.0	72.0	72.0	72.7	72.7	72.7
AI 7000	30.0	66.0	67.3	69.3	70.7	70.7	71.3	72.0	72.0	72.0	72.7	72.7	72.7
AI 6000	30.0	66.0	67.3	69.3	70.7	70.7	71.3	72.0	72.0	72.0	72.7	72.7	72.7
AI 5000	30.0	66.0	67.3	69.3	70.7	70.7	71.3	72.0	72.0	72.0	72.7	72.7	72.7
AI 4500	30.0	66.7	68.0	70.0	71.3	71.3	72.0	72.7	72.7	72.7	73.3	73.3	73.3
AI 4000	30.0	66.7	68.0	70.0	71.3	71.3	72.0	72.7	72.7	72.7	73.3	73.3	73.3
AI 3500	30.7	67.3	68.7	70.7	72.0	72.0	73.3	74.0	74.0	74.0	74.7	74.7	74.7
AI 3000	30.7	70.0	71.3	73.3	74.7	74.7	76.0	76.7	76.7	76.7	77.3	77.3	77.3
AI 2500	30.7	73.3	74.7	76.7	78.0	78.0	79.3	80.0	80.0	80.0	80.7	80.7	80.7
AI 2000	30.7	74.0	75.3	77.3	79.3	79.3	80.7	81.3	81.3	81.3	82.0	82.0	82.0
AI 1800	30.7	74.0	75.3	77.3	79.3	79.3	80.7	81.3	81.3	81.3	82.0	82.0	82.0
AI 1500	30.7	78.0	79.3	82.7	84.7	84.7	86.0	86.7	86.7	86.7	87.3	87.3	87.3
AI 1200	30.7	75.7	80.7	84.0	85.0	85.0	86.0	86.7	86.7	86.7	87.3	87.3	87.3
AI 1000	30.7	80.0	82.0	85.3	87.3	87.3	88.7	89.3	89.3	89.3	90.0	90.0	90.0
AI 900	30.7	80.0	82.0	85.3	87.3	87.3	88.7	89.3	89.3	89.3	90.0	90.0	90.0
AI 800	30.7	80.7	82.7	86.7	88.7	88.7	90.0	90.7	90.7	90.7	91.3	91.3	91.3
AI 700	30.7	80.7	82.7	87.3	89.3	89.3	90.7	92.0	92.0	92.0	92.7	92.7	92.7
AI 600	30.7	80.7	82.7	88.0	90.0	90.0	91.3	93.3	93.3	93.3	94.0	94.0	94.0
AI 500	30.7	81.3	83.3	88.7	90.7	90.7	92.0	94.0	94.0	94.0	94.7	94.7	94.7
AI 400	30.7	81.3	83.3	89.3	92.0	92.0	93.3	95.3	95.3	95.3	96.7	96.7	96.7
AI 300	30.7	81.3	83.3	89.3	92.0	92.0	93.3	95.3	95.3	95.3	96.7	96.7	96.7
AI 200	30.7	81.3	83.3	89.3	92.0	92.0	93.3	95.3	95.3	95.3	97.3	97.3	97.3
AI 100	30.7	81.3	83.3	89.3	92.0	92.0	93.3	95.3	95.3	95.3	97.3	97.3	97.3
AI AI	30.7	81.3	83.3	89.3	92.0	92.0	93.3	95.3	95.3	95.3	97.3	97.3	97.3
AI AI	30.7	81.3	83.3	89.3	92.0	92.0	93.3	95.3	95.3	95.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

NOV
MONTH

22
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	26.7	58.7	61.3	62.0	63.3	64.0	64.7	64.7	64.7	65.3	65.3	65.3
≥ 20000	26.7	62.0	64.7	65.3	66.7	67.3	68.0	68.0	68.0	68.7	68.7	68.7
≥ 18000	26.7	62.0	64.7	65.3	66.7	67.3	68.0	68.0	68.0	68.7	68.7	68.7
≥ 16000	26.7	62.0	64.7	65.3	66.7	67.3	68.0	68.0	68.0	68.7	68.7	68.7
≥ 14000	26.7	62.0	64.7	65.3	66.7	67.3	68.0	68.0	68.0	68.7	68.7	68.7
≥ 12000	26.7	62.0	64.7	65.3	66.7	67.3	68.0	68.0	68.0	68.7	68.7	68.7
≥ 10000	26.7	63.3	66.0	66.7	68.0	68.7	69.3	69.3	69.3	70.0	70.0	70.0
≥ 9000	26.7	63.3	66.0	66.7	68.0	68.7	69.3	69.3	69.3	70.0	70.0	70.0
≥ 8000	26.7	63.3	66.0	66.7	68.0	68.7	69.3	69.3	69.3	70.0	70.0	70.0
≥ 7000	26.7	63.3	66.0	66.7	68.0	68.7	69.3	69.3	69.3	70.0	70.0	70.0
≥ 6000	26.7	63.3	66.0	66.7	68.0	68.7	69.3	69.3	69.3	70.0	70.0	70.0
≥ 5000	26.7	63.3	66.0	66.7	68.0	68.7	69.3	69.3	69.3	70.0	70.0	70.0
≥ 4500	26.7	63.3	66.0	66.7	68.0	68.7	69.3	69.3	69.3	70.0	70.0	70.0
≥ 4000	26.7	64.7	67.3	68.0	69.3	70.0	70.7	70.7	70.7	71.3	71.3	71.3
≥ 3500	26.7	66.0	68.7	69.3	70.7	71.3	72.0	72.0	72.0	72.7	72.7	72.7
≥ 3000	26.7	66.7	69.3	70.0	71.3	72.0	72.7	72.7	72.7	73.3	73.3	73.3
≥ 2500	26.7	70.0	72.7	73.3	74.7	75.3	76.0	76.0	76.0	76.7	76.7	76.7
≥ 2000	26.7	72.7	75.3	76.0	78.0	78.7	79.3	79.3	79.3	80.0	80.0	80.0
≥ 1800	26.7	73.3	76.0	76.7	78.7	79.3	80.0	80.0	80.0	80.7	80.7	80.7
≥ 1500	26.7	74.0	76.7	78.0	80.7	81.3	82.0	82.0	82.0	82.7	82.7	82.7
≥ 1200	26.7	76.0	78.7	80.7	82.7	83.3	84.0	84.0	84.0	84.7	84.7	84.7
≥ 1000	27.3	78.0	81.3	84.0	86.0	86.7	87.3	87.3	87.3	88.0	88.0	88.0
≥ 900	27.3	78.0	82.0	84.7	86.7	87.3	88.0	88.0	88.0	88.7	88.7	88.7
≥ 800	27.3	78.0	82.0	84.7	86.7	88.0	88.7	88.7	88.7	89.3	89.3	89.3
≥ 700	27.3	78.0	82.7	86.0	88.0	89.3	90.0	90.0	90.0	91.3	91.3	91.3
≥ 600	27.3	78.0	82.7	86.0	88.0	90.0	90.7	90.7	90.7	92.0	92.0	92.0
≥ 500	27.3	78.0	82.7	86.0	88.0	90.7	91.3	91.3	91.3	92.7	92.7	92.7
≥ 400	27.3	78.0	82.7	86.7	88.7	91.3	92.0	92.0	92.0	93.3	93.3	93.3
≥ 300	27.3	78.0	82.7	86.7	88.7	91.3	92.0	92.0	92.0	93.3	93.3	93.3
≥ 200	27.3	78.0	82.7	86.7	88.7	91.3	92.0	92.0	92.0	94.0	94.0	94.0
≥ 100	27.3	78.0	82.7	86.7	89.3	92.0	92.7	92.7	92.7	94.7	94.7	94.7
0	27.3	78.0	82.7	86.7	89.3	92.0	92.7	92.7	92.7	94.7	94.7	94.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATIONMIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

NOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	33.3	61.3	63.3	64.7	66.9	67.3	68.3	68.6	69.2	69.3	69.3	69.3	69.3	69.3
≥ 20000	34.9	65.0	67.1	68.4	70.8	71.3	72.3	72.6	73.2	73.3	73.3	73.3	73.3	73.4
18000	35.1	65.2	67.3	68.6	71.0	71.4	72.4	72.8	73.3	73.5	73.5	73.5	73.5	73.6
16000	35.1	65.2	67.3	68.6	71.0	71.4	72.4	72.8	73.3	73.5	73.5	73.5	73.5	73.6
14000	35.1	65.2	67.3	68.6	71.0	71.4	72.4	72.8	73.3	73.5	73.5	73.5	73.5	73.6
12000	35.7	65.8	67.9	69.3	71.8	72.3	73.3	73.6	74.2	74.3	74.3	74.3	74.3	74.4
10000	35.8	66.7	68.8	70.1	72.7	73.1	74.1	74.4	75.0	75.2	75.2	75.2	75.2	75.3
9000	35.8	66.7	68.8	70.1	72.7	73.1	74.1	74.4	75.0	75.2	75.2	75.2	75.2	75.3
8000	35.8	67.0	69.1	70.4	73.0	73.4	74.4	74.8	75.3	75.5	75.5	75.5	75.5	75.6
7000	35.8	67.0	69.1	70.4	73.0	73.4	74.4	74.8	75.3	75.5	75.5	75.5	75.5	75.6
6000	35.8	67.1	69.2	70.5	73.1	73.5	74.5	74.8	75.4	75.6	75.6	75.6	75.6	75.7
5000	35.8	67.2	69.3	70.6	73.2	73.6	74.6	74.9	75.5	75.7	75.7	75.7	75.7	75.8
4500	35.8	67.7	69.8	71.1	73.8	74.2	75.2	75.5	76.1	76.3	76.3	76.3	76.3	76.3
4000	36.0	68.3	70.4	71.8	74.4	74.8	75.9	76.3	76.8	77.0	77.0	77.0	77.0	77.1
3500	36.3	69.2	71.3	72.7	75.3	75.8	76.8	77.2	77.8	77.9	77.9	77.9	77.9	78.0
3000	36.3	70.6	72.7	74.1	76.6	77.3	78.3	78.7	79.3	79.4	79.4	79.4	79.4	79.5
2500	36.8	73.6	75.9	77.4	80.3	80.8	81.8	82.2	82.8	82.9	82.9	82.9	82.9	83.0
2000	36.8	76.0	78.4	80.0	83.3	83.9	85.1	85.4	86.0	86.2	86.2	86.2	86.2	86.3
1800	36.8	76.4	78.9	80.6	83.9	84.6	85.8	86.1	86.7	86.8	86.8	86.8	86.8	86.9
1500	36.8	77.7	80.3	82.4	85.8	86.5	87.7	88.0	88.6	88.8	88.8	88.8	88.8	88.8
1200	36.8	78.2	80.8	83.0	86.4	87.1	88.3	88.6	89.2	89.3	89.3	89.3	89.3	89.4
1000	36.9	78.9	81.8	84.3	87.9	88.6	90.0	90.4	91.0	91.2	91.2	91.2	91.2	91.3
900	36.9	78.9	82.0	84.5	88.2	88.8	90.3	90.7	91.3	91.4	91.4	91.4	91.4	91.5
800	36.9	79.3	82.4	85.1	88.8	89.7	91.2	91.6	92.2	92.3	92.3	92.3	92.3	92.4
700	36.9	79.3	82.5	85.4	89.2	90.0	91.5	92.0	92.7	92.9	92.9	92.9	92.9	93.0
600	36.9	79.3	82.6	85.6	89.7	90.6	92.3	92.8	93.5	93.8	93.8	93.8	93.8	93.9
500	36.9	79.4	82.7	85.8	90.0	91.0	92.8	93.4	94.3	94.6	94.6	94.6	94.6	94.7
400	36.9	79.4	82.7	86.1	90.4	91.4	93.2	94.0	95.0	95.3	95.3	95.4	95.4	95.5
300	36.9	79.4	82.7	86.1	90.6	91.6	93.6	94.4	95.5	95.8	95.9	96.1	96.1	96.2
200	36.9	79.4	82.7	86.1	90.6	91.6	93.6	94.5	95.7	96.2	96.3	96.4	96.4	96.5
100	36.9	79.4	82.7	86.1	90.7	91.7	93.8	94.6	95.8	96.3	96.4	96.8	96.8	97.0
0	36.9	79.4	82.7	86.1	90.7	91.7	93.8	94.6	95.8	96.3	96.4	97.0	97.0	97.3

TOTAL NUMBER OF OBSERVATIONS

1200

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

DEC
MONTH

01
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	21.9	59.4	60.0	63.2	63.9	63.9	65.2	65.2	65.2	65.2	65.8	66.5	66.5
≥ 20000	21.9	60.7	61.3	64.5	65.2	65.2	66.5	66.5	66.5	66.5	67.1	67.7	67.7
≥ 18000	21.9	60.7	61.3	64.5	65.2	65.2	66.5	66.5	66.5	66.5	67.1	67.7	67.7
≥ 16000	21.9	60.7	61.3	64.5	65.2	65.2	66.5	66.5	66.5	66.5	67.1	67.7	67.7
≥ 14000	21.9	60.7	61.3	64.5	65.2	65.2	66.5	66.5	66.5	66.5	67.1	67.7	67.7
≥ 12000	22.6	61.9	62.6	65.8	66.5	66.5	67.7	67.7	67.7	67.7	68.4	69.0	69.0
≥ 10000	22.6	64.5	65.2	68.4	69.0	69.0	70.3	70.3	70.3	70.3	71.0	71.6	71.6
≥ 9000	22.6	64.5	65.2	68.4	69.0	69.0	70.3	70.3	70.3	70.3	71.0	71.6	71.6
≥ 8000	22.6	64.5	65.2	68.4	69.0	69.0	70.3	70.3	70.3	70.3	71.0	71.6	71.6
≥ 7000	22.6	64.5	65.2	68.4	69.0	69.0	70.3	70.3	70.3	70.3	71.0	71.6	71.6
≥ 6000	22.6	65.2	65.8	69.0	69.7	69.7	71.0	71.0	71.0	71.0	71.6	72.3	72.3
≥ 5000	22.6	65.2	65.8	69.0	69.7	69.7	71.0	71.0	71.0	71.0	71.6	72.3	72.3
≥ 4500	22.6	65.2	65.8	69.0	69.7	69.7	71.0	71.0	71.0	71.0	71.6	72.3	72.3
≥ 4000	22.6	65.2	65.8	69.0	69.7	69.7	71.0	71.0	71.0	71.0	71.6	72.3	72.3
≥ 3500	23.2	66.5	67.1	70.3	71.0	71.0	72.3	72.3	72.3	72.3	72.9	73.6	73.6
≥ 3000	23.2	67.7	68.4	71.6	72.3	72.3	73.6	73.6	73.6	73.6	74.2	74.8	74.8
≥ 2500	23.2	69.0	70.3	73.6	74.2	74.2	75.5	75.5	75.5	75.5	76.1	76.8	76.8
≥ 2000	23.2	69.7	71.0	74.8	75.5	75.5	76.8	76.8	76.8	76.8	77.4	78.1	78.1
≥ 1800	23.2	70.3	72.3	75.5	76.1	76.1	77.4	77.4	77.4	77.4	78.1	78.7	78.7
≥ 1500	23.2	71.6	73.6	76.8	77.4	77.4	78.7	78.7	78.7	78.7	79.4	80.0	80.0
≥ 1200	23.2	74.2	76.8	80.7	81.3	81.3	82.6	82.6	82.6	82.6	83.2	83.9	83.9
≥ 1000	23.2	75.5	79.4	83.2	84.5	84.5	85.8	85.8	85.8	85.8	86.5	87.1	87.1
≥ 900	23.2	75.5	79.4	83.2	84.5	84.5	85.8	85.8	85.8	85.8	86.5	87.1	87.1
≥ 800	23.2	75.5	79.4	83.2	84.5	84.5	85.8	85.8	85.8	85.8	86.5	87.1	87.1
≥ 700	23.2	75.5	79.4	83.2	84.5	84.5	85.8	85.8	85.8	85.8	86.5	87.1	87.1
≥ 600	23.2	75.5	79.4	84.5	85.8	85.8	87.1	87.1	87.1	87.1	87.7	88.4	88.4
≥ 500	23.2	75.5	79.4	84.5	85.8	85.8	87.1	87.1	87.1	87.1	87.7	88.4	88.4
≥ 400	23.2	75.5	79.4	85.8	87.1	87.1	89.7	89.7	89.7	89.7	90.3	90.9	90.9
≥ 300	23.2	75.5	79.4	85.8	87.1	87.1	90.3	90.3	90.3	90.3	91.0	91.6	91.6
≥ 200	23.2	75.5	79.4	85.8	87.1	87.1	91.0	91.0	91.0	91.0	92.3	92.9	92.9
≥ 100	23.2	75.5	79.4	85.8	87.1	87.1	91.0	91.0	91.0	91.0	92.3	92.9	92.9
0	23.2	75.5	79.4	85.8	87.1	87.1	91.0	91.0	91.0	91.0	92.3	92.9	92.9

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.4
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	23.9	63.2	66.5	67.7	68.4	68.4	68.4	68.4	68.4	68.4	69.0	69.0	69.0	69.0
≥ 20000	24.5	65.2	68.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	71.0	71.0	71.0	71.0
≥ 18000	24.5	65.2	68.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	71.0	71.0	71.0	71.0
≥ 16000	24.5	65.2	68.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	71.0	71.0	71.0	71.0
≥ 14000	24.5	65.2	68.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	71.0	71.0	71.0	71.0
≥ 12000	24.5	65.2	68.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	71.0	71.0	71.0	71.0
≥ 10000	24.5	67.1	71.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9	73.6	73.6	73.6	73.6
≥ 9000	24.5	67.1	71.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9	73.6	73.6	73.6	73.6
≥ 8000	24.5	67.1	71.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9	73.6	73.6	73.6	73.6
≥ 7000	24.5	67.1	71.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9	73.6	73.6	73.6	73.6
≥ 6000	24.5	67.7	71.6	72.9	73.6	73.6	73.6	73.6	73.6	73.6	74.2	74.2	74.2	74.2
≥ 5000	24.5	67.7	71.6	72.9	73.6	73.6	73.6	73.6	73.6	73.6	74.2	74.2	74.2	74.2
≥ 4500	24.5	68.4	72.3	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.8	74.8	74.8	74.8
≥ 4000	24.5	68.4	72.3	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.8	74.8	74.8	74.8
≥ 3500	24.5	69.0	72.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	75.5	75.5	75.5	75.5
≥ 3000	24.5	71.0	74.8	76.1	76.8	76.8	76.8	76.8	76.8	76.8	77.4	77.4	77.4	77.4
≥ 2500	25.2	71.6	75.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1
≥ 2000	25.2	73.6	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3
≥ 1800	25.2	74.2	79.4	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9
≥ 1500	25.2	77.4	82.6	83.9	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2	85.2
≥ 1200	25.2	77.4	82.6	83.9	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2	85.2
≥ 1000	25.2	78.1	83.2	86.5	87.7	87.7	87.7	87.7	87.7	87.7	88.4	88.4	88.4	88.4
≥ 900	25.2	78.1	83.2	86.5	87.7	87.7	87.7	87.7	87.7	87.7	88.4	88.4	88.4	88.4
≥ 800	25.2	78.7	83.9	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 700	25.2	78.7	84.5	88.4	90.3	90.3	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.0
≥ 600	25.2	79.4	85.2	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6	91.6
≥ 500	25.2	79.4	85.2	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6	91.6
≥ 400	25.2	80.0	85.8	90.3	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6
≥ 300	25.2	80.0	85.8	90.3	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6
≥ 200	25.2	80.0	85.8	90.3	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6
≥ 100	25.2	80.0	85.8	90.3	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6
0	25.2	80.0	85.8	90.3	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.0	65.8	67.1	67.7	67.7	67.7	69.0	69.0	69.0	69.0	69.7	69.7	69.7	69.7	70.3
≥ 20000	42.6	68.4	69.7	69.7	70.3	70.3	71.6	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.9
18000	42.6	69.0	70.3	70.3	71.0	71.0	72.3	72.3	72.3	72.3	72.9	72.9	72.9	72.9	73.6
≥ 16000	42.6	69.0	70.3	70.3	71.0	71.0	72.3	72.3	72.3	72.3	72.9	72.9	72.9	72.9	73.6
14000	42.6	69.0	70.3	70.3	71.0	71.0	72.3	72.3	72.3	72.3	72.9	72.9	72.9	72.9	73.6
≥ 12000	42.6	69.7	71.0	71.0	71.6	71.6	72.9	72.9	72.9	72.9	73.6	73.6	73.6	73.6	74.2
10000	44.5	72.3	73.6	73.6	74.2	74.2	75.5	75.5	75.5	75.5	76.1	76.1	76.1	76.1	76.8
≥ 9000	44.5	72.3	73.6	73.6	74.2	74.2	75.5	75.5	75.5	75.5	76.1	76.1	76.1	76.1	76.8
8000	44.5	72.3	73.6	73.6	74.2	74.2	75.5	75.5	75.5	75.5	76.1	76.1	76.1	76.1	76.8
≥ 7000	44.5	72.9	74.2	74.2	74.8	74.8	76.1	76.1	76.1	76.1	76.8	76.8	76.8	76.8	77.4
6000	44.5	72.9	74.2	74.2	74.8	74.8	76.1	76.1	76.1	76.1	76.8	76.8	76.8	76.8	77.4
≥ 5000	44.5	73.6	74.8	74.8	75.5	75.5	76.1	76.1	76.1	76.1	76.8	76.8	76.8	76.8	77.4
4500	44.5	73.6	74.8	74.8	75.5	75.5	76.1	76.1	76.1	76.1	76.8	76.8	76.8	76.8	77.4
≥ 4000	44.5	73.6	74.8	74.8	75.5	75.5	76.1	76.1	76.1	76.1	76.8	76.8	76.8	76.8	77.4
3500	44.5	73.6	74.8	74.8	75.5	75.5	76.1	76.1	76.1	76.1	76.8	76.8	76.8	76.8	77.4
≥ 3000	45.2	74.2	75.5	75.5	76.1	76.1	76.8	76.8	76.8	76.8	77.4	77.4	77.4	77.4	78.7
2500	45.8	75.5	76.8	76.8	77.4	77.4	78.1	78.1	78.1	78.1	78.7	78.7	78.7	78.7	79.4
≥ 2000	45.8	77.4	79.4	79.4	80.0	80.0	81.3	81.3	81.3	81.3	82.6	82.6	82.6	82.6	83.9
1800	45.8	77.4	79.4	79.4	80.0	80.0	81.3	81.3	81.3	81.3	82.6	82.6	82.6	82.6	83.9
≥ 1500	45.8	77.4	80.0	80.0	80.7	80.7	82.6	82.6	82.6	82.6	83.9	83.9	83.9	83.9	85.8
1200	45.8	78.7	81.3	81.3	81.9	81.9	84.5	84.5	84.5	84.5	86.5	86.5	86.5	86.5	88.4
≥ 1000	45.8	78.7	81.3	81.3	82.6	82.6	85.2	85.2	85.2	85.2	87.7	87.7	87.7	87.7	89.7
900	45.8	78.7	81.3	81.3	82.6	82.6	85.2	85.2	85.2	85.2	87.7	87.7	87.7	87.7	89.7
≥ 800	45.8	79.4	82.6	82.6	83.9	83.9	87.1	87.1	87.1	87.1	89.7	89.7	89.7	89.7	91.0
700	45.8	80.0	83.2	83.2	84.5	84.5	87.7	87.7	87.7	87.7	89.7	89.7	89.7	89.7	91.0
≥ 600	45.8	80.0	83.2	83.2	84.5	84.5	87.7	87.7	87.7	87.7	89.7	89.7	89.7	89.7	91.0
500	45.8	80.0	83.2	83.2	84.5	84.5	87.7	87.7	87.7	87.7	89.7	89.7	89.7	89.7	91.0
≥ 400	45.8	80.0	83.2	83.2	84.5	84.5	87.7	87.7	87.7	87.7	89.7	89.7	89.7	89.7	91.0
300	45.8	80.0	83.2	83.2	84.5	84.5	87.7	87.7	87.7	87.7	89.7	89.7	89.7	89.7	91.0
≥ 200	45.8	80.0	83.2	83.2	84.5	84.5	87.7	87.7	87.7	87.7	89.7	89.7	89.7	89.7	91.0
100	45.8	80.0	83.2	83.2	84.5	84.5	87.7	87.7	87.7	87.7	89.7	89.7	89.7	89.7	91.0
0	45.8	80.0	83.2	83.2	84.5	84.5	87.7	87.7	87.7	87.7	89.7	89.7	89.7	89.7	91.0

TOTAL NUMBER OF OBSERVATIONS 155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATIONMIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

DEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	36.8	58.7	60.0	62.6	63.9	64.5	64.5	64.5	64.5	65.2	65.2	65.2	65.2
≥ 20000	40.7	64.5	66.5	69.7	71.0	71.6	72.3	72.3	72.3	72.9	72.9	72.9	72.9
≥ 18000	41.3	65.2	67.1	70.3	71.6	72.3	72.9	72.9	72.9	73.6	73.6	73.6	73.6
≥ 16000	41.3	65.2	67.1	70.3	71.6	72.3	72.9	72.9	72.9	73.6	73.6	73.6	73.6
≥ 14000	41.3	65.2	67.1	70.3	71.6	72.3	72.9	72.9	72.9	73.6	73.6	73.6	73.6
≥ 12000	41.3	65.8	67.7	71.0	72.3	72.9	73.6	73.6	73.6	74.2	74.2	74.2	74.2
≥ 10000	42.6	68.4	70.3	73.6	74.8	75.5	76.1	76.1	76.1	76.8	76.8	76.8	76.8
≥ 9000	42.6	68.4	70.3	73.6	74.8	75.5	76.1	76.1	76.1	76.8	76.8	76.8	76.8
≥ 8000	43.2	70.3	72.3	75.5	77.4	78.1	78.7	78.7	78.7	79.4	79.4	79.4	79.4
≥ 7000	43.2	70.3	72.3	75.5	77.4	78.1	78.7	78.7	78.7	79.4	79.4	79.4	79.4
≥ 6000	43.2	70.3	72.3	75.5	77.4	78.1	78.7	78.7	78.7	79.4	79.4	79.4	79.4
≥ 5000	43.2	71.0	72.9	76.1	78.1	78.7	79.4	79.4	79.4	80.0	80.0	80.0	80.0
≥ 4500	43.9	71.6	73.6	76.8	78.7	79.4	80.0	80.0	80.0	80.7	80.7	80.7	80.7
≥ 4000	43.9	72.3	74.2	77.4	79.4	80.0	80.7	80.7	80.7	81.3	81.3	81.3	81.3
≥ 3500	43.9	72.9	74.8	78.1	80.0	80.7	81.3	81.3	81.3	81.9	81.9	81.9	81.9
≥ 3000	43.9	72.9	74.8	78.1	80.0	80.7	81.3	81.3	81.3	81.9	81.9	81.9	81.9
≥ 2500	44.5	74.8	76.8	80.0	81.9	82.6	83.2	83.2	83.2	83.9	83.9	83.9	83.9
≥ 2000	44.5	76.8	78.7	83.9	86.5	87.1	87.7	87.7	87.7	88.4	88.4	88.4	88.4
≥ 1800	44.5	76.8	78.7	83.9	86.5	87.1	87.7	87.7	87.7	88.4	88.4	88.4	88.4
≥ 1500	44.5	78.1	80.7	85.8	90.3	91.0	91.6	91.6	91.6	92.3	92.3	92.3	92.3
≥ 1200	45.2	80.0	82.6	87.7	92.3	92.9	93.6	93.6	93.6	94.2	94.2	94.2	94.2
≥ 1000	45.2	80.0	83.2	88.4	92.9	93.6	94.2	94.2	94.2	94.8	94.8	94.8	94.8
≥ 900	45.2	81.9	85.2	90.3	94.8	95.5	96.1	96.1	96.1	96.8	96.8	96.8	96.8
≥ 800	45.2	81.9	85.2	90.3	94.8	95.5	96.1	96.1	96.1	96.8	96.8	96.8	96.8
≥ 700	45.2	81.9	85.2	90.3	94.8	95.5	96.1	96.1	96.1	96.8	96.8	96.8	96.8
≥ 600	45.2	81.9	85.2	90.3	94.8	95.5	96.1	96.1	96.1	96.8	96.8	96.8	96.8
≥ 500	45.2	81.9	85.2	90.3	94.8	95.5	96.1	96.1	96.1	96.8	96.8	96.8	96.8
≥ 400	45.2	81.9	85.2	90.3	94.8	95.5	96.1	96.1	96.1	96.8	96.8	96.8	96.8
≥ 300	45.2	81.9	85.2	90.3	94.8	95.5	96.1	96.1	96.1	96.8	96.8	96.8	96.8
≥ 200	45.2	81.9	85.2	90.3	94.8	95.5	96.1	96.1	96.1	96.8	96.8	96.8	96.8
≥ 100	45.2	81.9	85.2	90.3	94.8	95.5	96.1	96.1	96.1	96.8	96.8	96.8	96.8
0	45.2	81.9	85.2	90.3	94.8	95.5	96.1	96.1	96.1	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET

SMOS

CEILING VERSUS VISIBILITY

WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

PRAMAP, CALIFORNIA

73-77

STATION NAME

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	35.1	60.7	63.2	64.5	68.4	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
At 20000	41.3	69.0	73.6	74.8	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
At 18000	41.9	69.7	74.2	75.5	79.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
At 16000	42.6	70.3	74.8	76.1	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
At 14000	42.6	71.6	76.1	77.4	81.3	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
At 12000	42.6	72.3	76.8	78.1	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
At 10000	42.6	72.9	77.4	78.7	82.6	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
At 9000	42.6	72.9	77.4	78.7	82.6	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
At 8000	43.2	74.8	79.4	80.7	84.5	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
At 7000	43.2	74.8	79.4	80.7	84.5	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
At 6000	43.2	74.8	79.4	80.7	84.5	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
At 5000	43.2	74.8	79.4	80.7	84.5	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
At 4500	43.2	75.5	80.0	81.3	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
At 4000	43.2	75.5	80.0	81.3	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
At 3500	43.2	76.1	80.7	81.9	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
At 3000	43.9	78.7	83.2	84.5	88.4	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
At 2500	44.5	81.9	87.1	88.4	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
At 2000	44.5	83.2	88.4	89.7	94.2	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
At 1800	44.5	83.9	89.0	90.3	94.8	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
At 1500	44.5	83.9	89.0	90.3	94.8	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
At 1200	44.5	84.5	89.7	91.0	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
At 1000	44.5	85.8	91.0	92.3	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
At 900	44.5	85.8	91.0	92.3	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
At 800	44.5	86.5	91.6	92.9	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
At 700	44.5	86.5	91.6	93.6	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
At 600	44.5	86.5	91.6	93.6	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
At 500	44.5	86.5	91.6	93.6	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
At 400	44.5	86.5	91.6	93.6	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
At 300	44.5	86.5	91.6	93.6	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
At 200	44.5	86.5	91.6	93.6	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
At 100	44.5	86.5	91.6	93.6	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
At 0	44.5	86.5	91.6	93.6	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	29.7	36.1	38.7	63.2	64.5	65.2	67.1	67.1	67.1	67.1	67.7	67.7	67.7
≥ 20000	32.9	63.2	66.5	71.6	73.6	74.2	76.1	76.1	76.1	76.1	76.8	76.8	76.8
≥ 18000	33.6	64.5	67.7	72.9	74.8	75.5	77.4	77.4	77.4	77.4	78.1	78.1	78.1
≥ 16000	33.6	64.5	67.7	72.9	74.8	75.5	77.4	77.4	77.4	77.4	78.1	78.1	78.1
≥ 14000	33.6	65.8	69.0	74.2	76.1	76.8	78.7	78.7	78.7	78.7	79.4	79.4	79.4
≥ 12000	34.8	68.4	71.6	76.8	78.7	79.4	81.3	81.3	81.3	81.3	81.9	81.9	81.9
≥ 10000	35.5	69.7	72.9	78.1	80.0	80.7	82.6	82.6	82.6	82.6	83.2	83.2	83.2
≥ 9000	35.5	69.7	72.9	78.1	80.0	80.7	82.6	82.6	82.6	82.6	83.2	83.2	83.2
≥ 8000	36.8	72.3	75.5	80.7	82.6	83.2	85.2	85.2	85.2	85.2	85.8	85.8	85.8
≥ 7000	36.8	72.3	75.5	80.7	82.6	83.2	85.2	85.2	85.2	85.2	85.8	85.8	85.8
≥ 6000	37.4	72.9	76.1	81.3	83.9	84.5	86.5	86.5	86.5	86.5	87.1	87.1	87.1
≥ 5000	37.4	73.6	76.8	81.9	84.5	85.2	87.1	87.1	87.1	87.1	87.7	87.7	87.7
≥ 4500	37.4	73.6	76.8	81.9	84.5	85.2	87.1	87.1	87.1	87.1	87.7	87.7	87.7
≥ 4000	37.4	73.6	76.8	81.9	84.5	85.2	87.1	87.1	87.1	87.1	87.7	87.7	87.7
≥ 3500	37.4	73.6	76.8	81.9	84.5	85.2	87.1	87.1	87.1	87.1	87.7	87.7	87.7
≥ 3000	38.1	74.8	78.1	83.2	85.8	86.5	88.4	88.4	88.4	88.4	89.0	89.0	89.0
≥ 2500	39.4	77.4	80.7	85.8	88.4	89.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6
≥ 2000	39.4	78.1	81.3	86.5	89.0	89.7	91.6	91.6	91.6	91.6	92.3	92.3	92.3
≥ 1800	39.4	78.1	81.3	86.5	89.0	89.7	91.6	91.6	91.6	91.6	92.3	92.3	92.3
≥ 1500	39.4	80.0	83.2	89.0	91.6	92.3	94.2	94.2	94.2	94.2	94.8	94.8	94.8
≥ 1200	39.4	80.7	83.9	89.7	92.3	92.9	94.8	94.8	94.8	94.8	95.5	95.5	95.5
≥ 1000	40.0	81.9	85.2	91.6	94.2	94.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4
≥ 900	40.0	81.9	85.2	91.6	94.2	94.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4
≥ 800	40.0	81.9	85.2	91.6	94.2	94.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4
≥ 700	40.0	81.9	85.2	91.6	94.2	94.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4
≥ 600	40.0	81.9	85.2	91.6	94.2	94.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4
≥ 500	40.0	81.9	85.2	91.6	94.2	94.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4
≥ 400	40.0	81.9	85.2	91.6	94.2	94.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4
≥ 300	40.0	81.9	85.2	91.6	94.2	94.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4
≥ 200	40.0	81.9	85.2	91.6	94.2	94.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4
≥ 100	40.0	81.9	85.2	91.6	94.2	94.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4
≥ 0	40.0	81.9	85.2	91.6	94.2	94.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	20.7	55.5	59.8	60.0	63.2	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.8	65.8
≥ 20000	20.7	60.7	61.9	65.2	68.4	69.0	69.7	70.3	70.3	70.3	70.3	70.3	71.0	71.0
≥ 18000	20.7	60.7	61.9	65.2	68.4	69.0	69.7	70.3	70.3	70.3	70.3	70.3	71.0	71.0
≥ 16000	20.7	60.7	61.9	65.2	68.4	69.0	69.7	70.3	70.3	70.3	70.3	70.3	71.0	71.0
≥ 14000	20.7	61.3	62.6	65.8	69.0	69.7	70.3	71.0	71.0	71.0	71.0	71.0	71.6	71.6
≥ 12000	20.7	62.6	63.9	67.1	70.3	71.0	71.6	72.3	72.3	72.3	72.3	72.9	72.9	72.9
≥ 10000	20.7	65.8	67.1	70.3	73.6	74.2	74.8	75.5	75.5	75.5	75.5	76.1	76.1	76.1
≥ 9000	20.7	65.8	67.1	70.3	73.6	74.2	74.8	75.5	75.5	75.5	75.5	76.1	76.1	76.1
≥ 8000	21.3	67.1	68.4	71.6	74.8	75.5	76.1	76.8	76.8	76.8	76.8	77.4	77.4	77.4
≥ 7000	21.3	67.7	69.0	72.3	75.5	76.1	76.8	77.4	77.4	77.4	77.4	78.1	78.1	78.1
≥ 6000	21.3	69.0	70.3	73.6	76.8	77.4	78.1	78.7	78.7	78.7	78.7	79.4	79.4	79.4
≥ 5000	21.3	69.0	70.3	73.6	76.8	77.4	78.1	78.7	78.7	78.7	78.7	79.4	79.4	79.4
≥ 4500	21.3	70.3	71.6	74.8	78.1	78.7	79.4	80.0	80.0	80.0	80.0	80.7	80.7	80.7
≥ 4000	21.9	71.6	72.9	76.1	79.4	80.0	80.7	81.3	81.3	81.3	81.3	81.9	81.9	81.9
≥ 3500	21.9	71.6	72.9	76.1	79.4	80.0	80.7	81.3	81.3	81.3	81.3	81.9	81.9	81.9
≥ 3000	21.9	72.3	73.6	76.8	80.0	80.7	81.3	81.9	81.9	81.9	81.9	82.6	82.6	82.6
≥ 2500	22.6	73.6	74.8	78.1	81.3	81.9	82.6	83.2	83.2	83.2	83.2	83.9	83.9	83.9
≥ 2000	22.6	75.1	77.4	80.7	84.5	85.2	85.8	86.5	86.5	86.5	86.5	87.1	87.1	87.1
≥ 1800	22.6	76.1	77.4	80.7	84.5	85.2	85.8	86.5	86.5	86.5	86.5	87.1	87.1	87.1
≥ 1500	22.6	76.8	78.1	81.3	85.8	86.5	87.1	87.7	87.7	87.7	87.7	88.4	88.4	88.4
≥ 1200	22.6	78.7	80.0	83.2	87.7	88.4	89.0	89.7	89.7	89.7	89.7	90.3	90.3	90.3
≥ 1000	22.6	80.0	83.2	86.5	91.0	91.6	92.3	92.9	92.9	92.9	92.9	93.6	93.6	93.6
≥ 900	22.6	80.0	83.2	86.5	91.0	91.6	92.3	92.9	92.9	92.9	92.9	93.6	93.6	93.6
≥ 800	22.6	80.0	83.2	87.1	91.6	92.3	92.9	93.6	93.6	93.6	93.6	94.2	94.2	94.2
≥ 700	22.6	80.0	83.2	87.1	91.6	92.3	92.9	93.6	93.6	93.6	93.6	94.2	94.2	94.2
≥ 600	22.6	80.0	83.9	87.7	92.3	92.9	93.6	94.2	94.2	94.2	94.2	94.8	94.8	94.8
≥ 500	22.6	80.0	83.9	87.7	92.3	92.9	93.6	94.2	94.2	94.2	94.2	94.8	94.8	94.8
≥ 400	22.6	80.7	84.5	89.0	93.6	94.2	94.8	95.5	95.5	95.5	95.5	96.1	96.1	96.1
≥ 300	22.6	80.7	84.5	89.0	93.6	94.2	94.8	95.5	95.5	95.5	95.5	96.1	96.1	96.1
≥ 200	22.6	80.7	84.5	89.0	93.6	94.2	94.8	95.5	95.5	95.5	95.5	96.1	96.1	96.1
≥ 100	22.6	80.7	84.5	89.0	93.6	94.2	94.8	95.5	95.5	95.5	95.5	96.1	96.1	96.1
≥ 0	22.6	80.7	84.5	89.0	93.6	94.2	94.8	95.5	95.5	95.5	95.5	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	21.3	60.7	63.2	65.2	65.2	65.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000	21.9	63.2	65.8	67.7	67.7	67.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 18000	21.9	63.2	65.8	67.7	67.7	67.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 16000	21.9	63.2	65.8	67.7	67.7	67.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 14000	22.6	64.5	67.1	69.0	69.0	69.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 12000	22.6	65.2	67.7	69.7	69.7	69.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 10000	22.6	66.5	69.0	71.0	71.0	71.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 9000	22.6	66.5	69.0	71.0	71.0	71.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9
8000	23.2	67.7	70.3	72.3	72.3	72.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2
7000	23.2	68.4	71.0	72.9	72.9	72.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8
6000	23.2	69.0	71.6	73.5	73.5	73.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
5000	23.2	69.7	72.3	74.2	74.2	74.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1
4500	23.2	70.3	72.9	74.8	74.8	74.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
4000	23.9	71.6	74.2	76.1	76.1	76.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
3500	23.9	72.3	74.8	76.8	76.8	76.8	78.7	78.7	78.7	78.7	78.7	78.7	78.7
3000	23.9	72.3	74.8	76.8	76.8	76.8	78.7	78.7	78.7	78.7	78.7	78.7	78.7
2500	23.9	73.6	76.1	78.1	78.1	78.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0
2000	23.9	75.5	78.1	80.7	80.7	80.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6
1800	23.9	76.1	78.7	81.3	81.3	81.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2
1500	23.9	79.4	81.9	84.5	84.5	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
1200	23.9	80.0	82.6	85.2	85.2	85.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7
1000	23.9	80.7	83.2	85.8	85.8	85.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4
900	23.9	80.7	83.2	85.8	85.8	85.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4
800	23.9	80.7	83.2	85.8	85.8	85.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4
700	23.9	80.7	83.2	85.8	85.8	85.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4
600	23.9	80.7	83.2	85.8	85.8	85.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4
500	23.9	81.3	84.5	87.7	87.7	87.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
400	23.9	81.3	84.5	87.7	87.7	87.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
300	23.9	81.3	84.5	87.7	87.7	87.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
200	23.9	81.3	84.5	87.7	87.7	87.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
100	23.9	81.3	84.5	87.7	87.7	87.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
0	23.9	81.3	84.5	87.7	87.7	87.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	28.8	60.0	61.9	64.2	65.7	66.0	66.9	67.0	67.1	67.4	67.6
≥ 20000	30.8	64.4	66.7	69.1	70.7	71.0	72.0	72.1	72.2	72.5	72.7
≥ 18000	31.1	64.8	67.1	69.5	71.1	71.4	72.4	72.5	72.6	72.9	73.1
≥ 16000	31.1	64.8	67.2	69.6	71.1	71.5	72.5	72.6	72.7	73.0	73.2
≥ 14000	31.2	65.4	67.7	70.2	71.7	72.0	73.1	73.2	73.2	73.6	73.7
≥ 12000	31.5	66.4	68.7	71.1	72.7	73.0	74.0	74.1	74.2	74.5	74.7
≥ 10000	31.9	68.4	70.8	73.2	74.8	75.1	76.1	76.2	76.3	76.6	76.8
≥ 9000	31.9	68.4	70.8	73.2	74.8	75.1	76.1	76.2	76.3	76.6	76.8
≥ 8000	32.4	69.5	71.9	74.4	76.0	76.3	77.3	77.4	77.5	77.8	78.0
≥ 7000	32.4	69.8	72.2	74.6	76.3	76.6	77.7	77.7	77.8	78.2	78.3
≥ 6000	32.5	70.2	72.7	75.1	76.8	77.1	78.2	78.2	78.3	78.6	78.8
≥ 5000	32.5	70.5	72.9	75.3	77.0	77.3	78.4	78.5	78.6	78.9	79.0
≥ 4500	32.6	71.1	73.5	76.0	77.7	78.0	79.1	79.1	79.2	79.5	79.7
≥ 4000	32.7	71.5	73.9	76.4	78.1	78.4	79.4	79.5	79.6	79.9	80.1
≥ 3500	32.8	71.9	74.4	76.9	78.6	78.9	79.9	80.0	80.1	80.4	80.6
≥ 3000	33.1	73.0	75.4	77.9	79.6	79.9	81.0	81.1	81.1	81.5	81.6
≥ 2500	33.6	74.7	77.3	79.8	81.5	81.8	82.8	82.9	83.0	83.3	83.5
≥ 2000	33.6	76.3	79.2	82.0	84.0	84.4	85.4	85.5	85.6	85.9	86.1
≥ 1800	33.6	76.5	79.4	82.3	84.3	84.7	85.7	85.8	85.9	86.2	86.4
≥ 1500	33.6	78.1	81.1	84.0	86.5	86.9	87.9	88.0	88.2	88.5	88.6
≥ 1200	33.7	79.3	82.4	85.4	88.1	88.6	89.6	89.7	89.8	90.2	90.3
≥ 1000	33.8	80.1	83.7	87.1	89.8	90.3	91.5	91.6	91.9	92.3	92.4
≥ 900	33.8	80.1	83.8	87.3	90.1	90.6	91.7	91.9	92.2	92.6	92.7
≥ 800	33.8	80.6	84.4	88.1	91.0	91.5	92.7	93.1	93.4	93.9	94.0
≥ 700	33.8	80.7	84.5	88.4	91.3	91.9	93.1	93.4	93.8	94.4	94.6
≥ 600	33.8	80.7	84.7	88.7	91.7	92.3	93.6	94.0	94.4	95.1	95.2
≥ 500	33.8	80.8	84.8	88.9	91.9	92.5	94.0	94.4	95.0	95.7	95.8
≥ 400	33.8	81.0	84.9	89.4	92.6	93.2	94.8	95.2	95.9	96.6	96.8
≥ 300	33.8	81.0	84.9	89.4	92.6	93.3	95.0	95.5	96.1	96.9	97.2
≥ 200	33.8	81.0	84.9	89.4	92.6	93.3	95.2	95.7	96.5	97.3	97.7
≥ 100	33.8	81.0	84.9	89.4	92.6	93.3	95.2	95.7	96.6	97.4	97.8
0	33.8	81.0	84.9	89.4	92.6	93.3	95.2	95.7	96.6	97.5	98.0

TOTAL NUMBER OF OBSERVATIONS

1240

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

73-77

YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	18.0	46.9	50.2	52.4	53.9	54.4	54.8	54.9	54.9	55.1	55.2	55.3	55.5
≥ 20000	18.9	49.5	53.0	55.4	57.0	57.5	58.0	58.1	58.1	58.3	58.4	58.5	58.7
≥ 18000	19.0	49.7	53.2	55.6	57.1	57.6	58.1	58.3	58.3	58.4	58.5	58.6	58.8
≥ 16000	19.0	49.7	53.2	55.6	57.2	57.7	58.2	58.3	58.3	58.4	58.5	58.7	58.9
≥ 14000	19.1	50.0	53.6	56.0	57.6	58.1	58.6	58.7	58.7	58.9	58.9	59.1	59.3
≥ 12000	19.1	50.7	54.3	56.8	58.4	58.9	59.4	59.5	59.5	59.7	59.8	59.9	60.1
≥ 10000	19.4	51.6	55.3	57.8	59.5	59.9	60.4	60.5	60.5	60.7	60.8	60.9	61.1
≥ 9000	19.4	51.7	55.3	57.8	59.5	60.0	60.5	60.6	60.6	60.8	60.9	61.0	61.2
≥ 8000	19.7	52.4	56.1	58.7	60.3	60.9	61.4	61.5	61.5	61.7	61.8	61.9	62.1
≥ 7000	19.8	52.6	56.3	58.9	60.5	61.1	61.6	61.7	61.7	61.9	62.0	62.1	62.3
≥ 6000	19.8	52.8	56.6	59.1	60.8	61.3	61.8	61.9	61.9	62.1	62.2	62.3	62.5
≥ 5000	19.8	53.2	57.0	59.5	61.2	61.7	62.2	62.4	62.4	62.5	62.6	62.7	63.0
≥ 4500	19.9	53.6	57.4	60.0	61.7	62.2	62.7	62.8	62.8	63.0	63.1	63.2	63.4
≥ 4000	20.2	54.3	58.1	60.6	62.3	62.9	63.4	63.5	63.5	63.7	63.8	63.9	64.1
≥ 3500	20.5	55.3	59.1	61.7	63.4	64.0	64.5	64.6	64.6	64.8	64.9	65.0	65.2
≥ 3000	21.2	57.9	61.8	64.3	66.0	66.6	67.1	67.2	67.2	67.4	67.5	67.6	67.8
≥ 2500	22.1	61.4	65.3	68.1	69.8	70.4	70.9	71.0	71.0	71.2	71.3	71.4	71.6
≥ 2000	22.5	64.8	69.1	71.9	73.7	74.3	74.8	75.0	75.0	75.2	75.2	75.4	75.6
≥ 1800	22.6	65.5	70.0	72.8	74.7	75.3	75.8	76.0	76.0	76.2	76.2	76.4	76.6
≥ 1500	22.8	68.9	73.7	76.8	78.8	79.4	80.0	80.1	80.1	80.3	80.4	80.5	80.7
≥ 1200	22.9	70.5	75.7	78.9	81.1	81.8	82.3	82.5	82.5	82.7	82.8	82.9	83.1
≥ 1000	22.9	72.9	78.9	82.6	85.1	85.8	86.6	86.7	86.7	86.9	87.0	87.2	87.4
≥ 900	22.9	73.2	79.4	83.3	85.9	86.6	87.4	87.6	87.6	87.8	87.9	88.1	88.3
≥ 800	22.9	73.9	80.5	84.9	87.8	88.6	89.5	89.8	89.8	90.0	90.2	90.3	90.5
≥ 700	22.9	74.1	81.2	85.9	89.2	90.1	91.0	91.3	91.3	91.6	91.8	91.9	92.1
≥ 600	22.9	74.4	81.6	86.6	90.2	91.1	92.3	92.6	92.6	92.9	93.1	93.2	93.4
≥ 500	22.9	74.5	82.1	87.4	91.3	92.2	93.6	93.9	93.9	94.4	94.6	94.7	94.9
≥ 400	22.9	74.6	82.2	87.7	91.9	92.9	94.4	94.8	94.9	95.4	95.6	95.8	96.0
≥ 300	22.9	74.6	82.3	87.8	92.1	93.2	94.8	95.3	95.3	96.0	96.3	96.7	96.9
≥ 200	22.9	74.6	82.3	87.8	92.2	93.3	95.0	95.5	95.5	96.4	96.8	97.2	97.6
≥ 100	22.9	74.6	82.3	87.8	92.2	93.3	95.0	95.6	95.6	96.6	97.0	97.5	98.6
0	22.9	74.6	82.3	87.8	92.2	93.3	95.0	95.6	95.6	96.6	97.0	97.6	98.6

TOTAL NUMBER OF OBSERVATIONS

14607

5704 SKY COVER JAN 68

STATION	STATION NAME	PERIOD	MONTH
93107	MIRAMAR, CALIFORNIA	73-77	JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	01	45.2	2.6	7.1	7.7	1.9	1.3	1.9	2.6	5.8	3.9	20.0	3.7	155
	04	40.6	3.2	8.4	5.8	3.9	1.3	3.2	3.2	2.6	1.3	22.6	3.7	155
	07	21.3	9.0	6.5	9.0	3.9	4.5	4.5	7.7	12.9	4.5	16.1	4.7	155
	10	25.2	9.0	4.5	9.0	3.9	4.5	4.5	10.3	9.7	7.7	11.6	4.5	155
	13	20.6	4.5	7.7	7.1	4.5	3.2	8.4	6.5	12.9	11.6	12.9	5.1	155
	16	17.4	4.5	11.0	8.4	6.5	5.8	5.2	6.5	11.0	7.1	16.8	5.0	155
	19	26.5	8.4	13.5	9.7	6.5	3.2	1.9	2.6	7.1	4.5	16.1	3.9	155
	22	37.4	6.5	11.0	4.5	3.9	1.9	2.6	5.2	5.2	3.2	18.7	3.6	155
TOTALS		20.3	6.2	8.7	7.7	4.4	3.2	4.0	5.8	8.4	5.3	16.9	4.3	1240

874
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	01	36.2	2.6	7.8	4.3	3.5	2.1	2.8	5.0	5.7	2.1	27.7	4.5	141
	04	39.7	1.4	4.3	5.7	5.7	2.8	1.4	7.1	4.3	1.4	26.2	4.3	141
	07	19.1	7.8	9.2	6.4	2.8	3.5	3.5	5.0	9.9	8.5	24.1	5.3	141
	10	21.3	3.5	11.3	5.7	5.7	5.0	5.7	5.0	7.8	7.8	21.3	5.0	141
	13	23.4	5.7	6.4	8.5	5.7	3.5	2.1	5.7	9.2	8.5	21.3	5.0	141
	16	24.8	2.8	5.0	6.4	6.4	5.0	2.8	6.4	12.8	9.9	17.7	5.1	141
	19	25.5	3.5	9.9	9.9	7.8	4.3	4.3	4.3	10.6	4.3	15.6	4.4	141
	22	29.8	5.0	9.9	3.5	5.7	2.8	5.7	5.0	4.3	2.1	26.2	4.6	141
TOTALS		27.5	4.1	8.0	6.3	5.4	3.6	3.5	5.4	8.1	5.6	22.5	4.8	1128

93107
STATION

MIRAMAR, CALIFORNIA STATION NAME |

73-77

PERIOD

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	01	25.2	4.5	1.3	4.5	7.1	1.3	2.6	8.4	8.4	4.5	32.3	5.6	155
	04	29.7	3.2	5.2	6.5	.6	1.3	2.6	4.5	7.7	3.9	34.8	5.3	155
	07	22.6	4.5	4.5	3.2	3.2	3.9	1.9	9.7	11.6	7.7	27.1	5.7	155
	10	20.0	4.5	4.5	3.9	4.5	1.9	5.8	5.8	15.5	11.0	22.6	5.8	155
	13	19.4	4.5	4.5	5.2	3.2	3.9	5.8	11.6	14.2	10.3	17.4	5.6	155
	16	18.7	7.1	3.9	8.4	3.9	4.5	2.6	11.6	12.3	10.3	16.8	5.3	155
	19	20.0	3.9	8.4	7.1	9.7	4.5	2.6	14.2	7.7	11.0	11.0	4.9	155
	22	31.6	2.6	5.2	4.5	5.8	3.9	5.2	2.6	8.4	6.5	23.9	4.8	155
TOTALS		23.4	4.4	4.7	5.4	4.8	3.2	3.6	8.6	10.7	9.2	23.2	5.4	1240

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	01	12.9	.6	.6	3.2	1.9	1.9	1.9	3.2	2.6	4.5	66.5	7.9	155
	04	9.7	.6	1.3	1.3	1.9	2.6		2.6	6.5	2.6	71.0	8.3	155
	07	6.5	1.3	.6	2.6	3.2	1.3	1.3	5.2	.6	9.0	68.4	8.4	155
	10	21.3	3.2	5.2	3.9	6.5	3.9	4.5	7.7	5.2	9.7	29.0	5.7	155
	13	25.3	4.5	9.7	6.5	5.2	2.6	5.2	6.5	7.7	6.5	20.0	4.7	155
	16	29.0	6.5	8.4	6.5	3.2	2.6	1.9	5.8	8.4	7.1	20.6	4.6	155
	19	14.2	7.1	5.8	4.5	4.5	3.9	3.9	5.2	7.1	4.5	39.4	6.2	155
	22	13.5	2.6	2.6	3.2	2.6	2.6	2.6	3.9	5.2	4.5	56.8	7.3	155
TOTALS		16.6	3.3	4.3	4.0	3.6	2.7	2.7	5.0	5.4	6.1	46.5	6.6	1240

MONTH
JUN

5704 SKY COVER JAN 68

NAVWEASERVCOM

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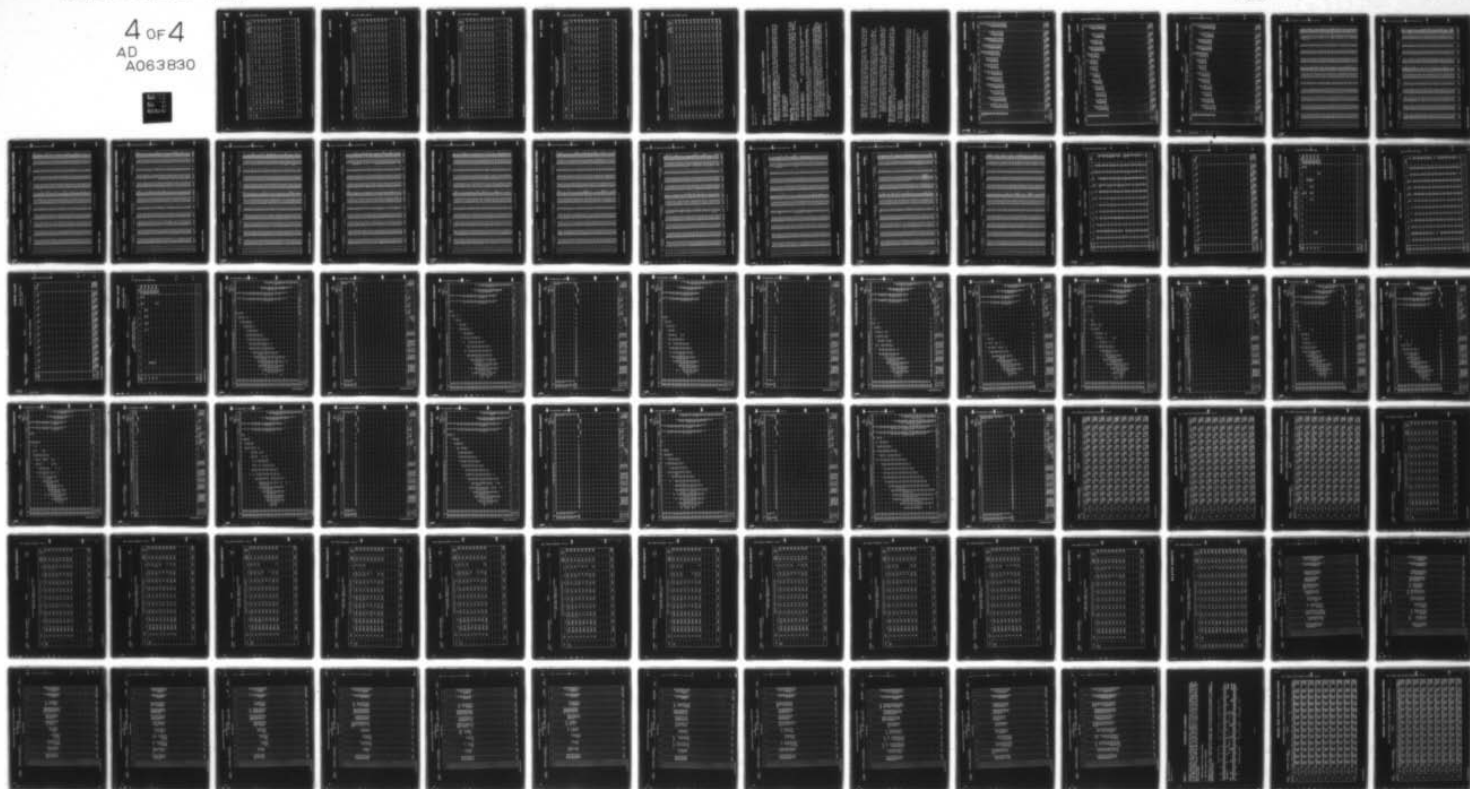
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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) MIRAMAR,--ETC(U)
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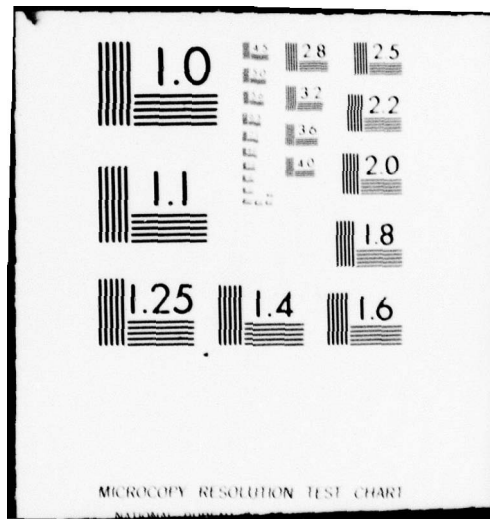
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STATION	STATION NAME
93107	MIRAMAR, CALIFORNIA

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	01	16.7	3.3	5.3	2.7	3.3		1.3	1.3	3.3	3.3	57.3	6.8	150
	04	12.0	2.0	3.3	.7	1.3	1.3	3.3	1.3	6.0	6.0	62.7	7.8	150
	07	16.0	.7	1.3	2.0	3.3	4.0		3.3	3.3	6.7	59.3	7.5	150
	10	31.3	10.0	4.7	8.0	1.3	3.3	2.0	2.7	5.3	4.0	27.3	4.5	150
	13	32.3	8.7	6.0	9.3	4.0	2.7	4.0	6.0	7.3	2.7	16.0	3.9	150
	16	32.7	6.7	6.7	10.7	3.3	5.3	2.7	3.3	7.3	5.3	16.0	4.0	150
	19	22.0	8.7	6.7	7.3	6.0	5.3	1.3	4.7	5.3	4.0	28.7	5.0	150
	22	22.7	1.3	2.7	4.7	2.0	1.3	2.7	2.7	4.7	4.0	51.3	6.6	150
TOTALS		23.6	5.2	4.6	5.7	3.1	2.0	2.2	3.2	5.3	4.5	39.8	5.8	1200

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5704 SKY COVER JAN 68

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	01	41.3	3.9	11.0	3.9	3.2	1.3	1.9	3.9	4.5		25.2	3.6	155
	04	49.7	3.2	3.2	6.5	2.6		1.3	2.6	5.8	.6	24.5	3.6	155
	07	23.9	7.1	9.0	9.0	7.7	6.5	1.3	5.8	4.5	1.3	23.9	4.5	155
	10	27.7	4.5	7.1	3.9	3.2	5.2	3.9	7.1	10.3	7.7	19.4	4.9	155
	13	25.8	4.5	11.0	6.5	8.4	3.2	2.6	11.0	5.8	5.8	15.5	4.4	155
	16	23.9	7.1	10.3	9.0	5.2	3.2	1.3	5.8	7.1	7.1	20.0	4.6	155
	19	31.6	4.5	11.6	11.0	3.9	.6	4.5	5.8	7.7	4.5	14.2	3.9	155
	22	38.1	6.5	9.7	5.8	3.9	1.9	1.3	3.2	4.5	3.9	21.3	3.6	155
TOTALS		27.8	5.2	9.1	7.0	4.8	2.7	2.3	5.7	6.3	3.9	20.5	4.2	1240

SKY COVER

92107
STATIONMIRAMAR, CALIFORNIA
STATION NAME

73-77

PERIOD

ALL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	29.3	6.2	8.7	7.7	4.4	3.2	4.0	5.8	8.4	5.3	16.9	4.3	1240
FEB		27.5	4.1	8.0	6.3	5.4	3.6	3.5	5.4	8.1	5.6	22.5	4.8	1128
MAR		23.4	4.4	4.7	5.4	4.8	3.2	3.6	8.6	10.7	8.2	23.2	5.4	1240
APR		28.8	4.5	5.3	5.9	3.1	2.8	3.4	5.8	8.5	7.4	24.7	5.0	1199
MAY		16.6	3.3	4.3	4.0	3.6	2.7	2.7	5.0	5.4	6.1	46.5	6.6	1240
JUN		26.2	5.2	4.8	4.8	3.5	2.3	2.9	3.2	4.4	3.1	39.6	5.5	1200
JUL		22.4	4.8	6.3	6.5	5.3	3.0	3.2	4.1	5.9	4.2	34.3	5.5	1240
AUG		29.1	5.0	6.3	5.6	4.4	2.6	1.9	2.6	4.9	4.4	33.2	5.0	1240
SEP		23.6	5.2	4.6	5.7	3.1	2.9	2.2	3.2	5.3	4.5	39.8	5.8	1200
OCT		31.9	4.7	5.4	4.6	3.6	3.2	3.1	3.6	9.0	4.4	26.6	4.8	1240
NOV		36.7	5.2	7.4	5.6	4.9	3.9	3.2	4.7	6.5	5.1	16.8	3.9	1200
DEC		32.6	5.2	9.1	7.0	4.8	2.7	2.3	5.7	6.3	3.9	20.5	4.2	1240
TOTALS		27.4	4.8	6.2	5.8	4.2	3.0	3.0	4.8	7.0	5.2	28.7	5.1	14607

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

YEARS

MINIX V

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

[illegible]

NAVWEASERVCOM

DAILY TEMPERATURES

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

47-77

YEARS

MINIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
80								.1	.5				.0
75								1.8	1.9				.1
70						.1	.4	29.0	14.0				.4
65					.1	.5	15.1	84.6	67.1				5.4
60				.7	2.3	24.6	73.2	98.8	94.2				24.0
55	.2	3.0	2.8	14.8	47.4	82.3	98.2	100.0	99.7				45.2
50	19.8	23.1	32.8	59.7	89.7	98.5	100.0	100.0	100.0				67.0
45	50.9	60.6	75.6	90.9	99.1	100.0			100.0				85.6
40	84.0	93.1	97.3	99.8	100.0								96.9
35	97.5	99.5	99.9	100.0									99.6
30	99.9	100.0	100.0										100.0
25	100.0												100.0
20													
15													
10													
5													
0													
MEAN	44.7	46.0	47.3	50.3	53.9	57.3	61.3	62.7	60.9	56.2	50.7	46.2	53.1
S.D.	5.260	4.329	4.069	4.150	3.270	3.170	3.109	3.294	3.913	4.770	5.163	5.145	7.539
TOTAL OBS.	930	845	730	870	899	870	954	955	924	957	928	960	11022

NAYWEASERYCOM

5721 Daily Temperatures Jan 1969

47.77

DAILY TEMPERATURES

YEARS

MEAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

[illegible]

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMPERATURE MAR 1978

STATION 93107 MIRAMAR, CALIFORNIA 1948-1977 MONTH JANUARY YEARS

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	
1	52.9	11.6	62.8	17.1	85	29.4	43.0	6.1	1.1 1951
2	52.0	11.1	61.5	16.4	76	24.4	42.5	5.8	-0.6 1976
3	52.9	11.6	63.4	17.4	85	29.4	42.4	5.8	-0.6 1952
4	52.6	11.4	63.4	17.4	85	29.4	41.7	5.4	-1.1 1952
5	53.2	11.8	64.6	18.1	84	28.9	41.9	5.3	-2.2 1972
6	54.3	12.4	65.4	18.6	78	25.6	43.1	6.2	1.7 1973*
7	54.7	12.6	65.3	18.5	85	29.4	44.0	6.7	0.6 1971
8	54.3	12.4	64.0	17.8	79	26.1	44.6	7.0	1.1 1971
9	54.2	12.3	64.0	17.8	78	25.6	44.3	6.8	2.8 1952
10	54.3	12.4	63.7	17.6	82	27.8	44.8	7.1	2.2 1949
11	54.3	12.4	64.5	18.1	81	27.2	44.1	6.7	1.1 1949
12	54.1	12.3	63.5	17.7	78	25.6	44.4	6.9	2.2 1962
13	54.4	12.4	64.2	17.9	79	26.1	44.6	7.0	2.8 1976*
14	55.1	12.8	65.3	18.5	85	29.4	44.9	7.2	1.1 1963
15	55.8	13.2	66.8	19.3	82	27.8	44.9	7.2	1.7 1962
16	55.8	13.2	66.1	18.9	88	31.1	45.6	7.6	1.7 1949
17	56.5	13.6	66.7	19.3	87	30.6	46.2	7.9	1.7 1972
18	56.5	13.6	66.5	19.2	85	29.4	46.5	8.1	1.1 1948
19	55.2	12.9	64.5	18.1	83	28.3	45.9	7.7	3.3 1973*
20	54.7	12.6	63.2	17.3	82	27.8	46.2	7.9	1.7 1973
21	54.4	12.4	62.8	17.1	79	26.1	46.1	7.8	2.8 1966
22	54.3	12.4	63.5	17.5	75	23.9	45.2	7.3	2.8 1974*
23	55.2	12.9	65.1	18.4	82	27.8	45.2	7.3	4.4 1974
24	55.0	12.8	63.9	17.7	84	28.9	46.1	7.8	3.9 1973
25	54.1	12.3	62.7	17.1	82	27.8	45.6	7.6	1.7 1949
26	53.5	11.9	62.1	16.7	75	23.9	44.9	7.2	1.7 1950
27	54.8	12.7	64.3	17.9	81	27.2	45.4	7.4	0.6 1950
28	55.4	13.0	66.0	18.9	82	27.8	44.8	7.1	1.1 1948
29	56.1	13.4	66.2	19.0	84	28.9	46.0	7.8	2.8 1972
30	54.6	12.6	64.8	18.2	84	28.9	44.5	6.9	2.2 1968
31	55.3	12.9	65.5	18.6	83	28.3	45.0	7.2	0.6 1972
Monthly	54.5	12.5	64.4	18.0	88	31.1	44.7	7.1	-2.2 1972

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93107

MIRAMAR, CALIFORNIA

1948-1977

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C			° F	° C	° F	° C		
1	54.9	12.7	64.1	17.8	80	26.7	1958		45.7	7.6	38	3.3	1975*	
2	55.3	12.9	65.2	18.4	82	27.8	1963*		45.5	7.5	38	3.3	1975	
3	55.8	13.2	66.8	19.3	91	32.8	1963		44.7	7.1	35	1.7	1972	
4	56.4	13.6	66.7	19.3	90	32.2	1963		46.2	7.9	36	2.2	1955	
5	55.6	13.1	65.1	18.4	84	28.9	1963		46.1	7.8	37	2.8	1955	
6	56.3	13.5	65.8	18.8	84	28.9	1963		46.9	8.3	38	3.3	1955	
7	56.1	13.4	65.6	18.7	84	28.9	1970*		46.7	8.2	39	3.9	1974	
8	55.6	13.1	64.5	18.1	85	29.4	1970		46.7	8.2	37	2.8	1948	
9	55.5	13.1	64.6	18.1	78	25.6	1964		46.5	8.1	38	3.3	1965	
10	56.2	13.4	65.8	18.8	82	27.8	1971		46.6	8.1	35	1.7	1965	
11	56.8	13.8	66.6	19.2	93	33.9	1962		47.2	8.4	39	3.9	1948	
12	56.0	13.3	65.7	18.7	88	31.1	1977		46.3	7.9	34	1.1	1965*	
13	55.8	13.2	65.0	18.3	85	29.4	1971		46.5	8.1	34	1.1	1948	
14	54.9	12.7	64.2	17.9	79	26.1	1977		45.6	7.6	38	3.3	1974*	
15	55.1	12.8	64.7	18.2	86	30.0	1977		45.6	7.6	37	2.8	1975	
16	55.4	13.0	65.3	18.5	87	30.6	1977		45.4	7.4	39	3.9	1975*	
17	55.8	13.2	65.1	18.4	78	25.6	1953		46.4	8.0	34	1.1	1975	
18	54.8	12.7	63.6	17.6	80	26.7	1965		45.9	7.7	36	2.2	1975	
19	54.0	12.2	62.3	16.8	85	29.4	1965		45.8	7.7	37	2.8	1955	
20	54.7	12.6	64.0	17.8	79	26.1	1961		45.4	7.4	38	3.3	1955	
21	55.0	12.8	65.1	18.4	80	26.7	1961		45.0	7.2	38	3.3	1974*	
22	55.3	12.9	65.1	18.4	81	27.2	1954		45.4	7.4	36	2.2	1953	
23	56.0	13.3	66.1	18.9	85	29.4	1954		45.9	7.7	38	3.3	1975*	
24	56.6	13.7	66.6	19.2	85	29.4	1963*		46.7	8.2	38	3.3	1953	
25	56.1	13.4	66.3	19.1	84	28.9	1963		45.9	7.7	36	2.2	1948	
26	54.9	12.7	63.8	17.7	82	27.8	1963		46.1	7.8	41	5.0	1977	
27	55.1	12.8	64.4	18.0	78	25.6	1967		45.8	7.7	35	1.7	1971	
28	55.2	12.9	64.5	18.1	83	28.3	1963		45.9	7.7	39	3.9	1962*	
29	53.9	12.2	61.0	16.1	70	21.1	1968		46.7	8.2	43	6.1	1956*	
30														
31														
Monthly	55.5	13.1	65.1	18.4	93	33.9	1962		46.0	7.8	34	1.1	1975*	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93107

MIRAMAR, CALIFORNIA

1948-1977

MARCH

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP				MAXIMUM TEMP				MINIMUM TEMP			
	AVERAGE		EXTREME		AVERAGE		EXTREME		AVERAGE		EXTREME	
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C
1	54.9	12.7	63.3	17.4	83	28.3	1961	46.5	8.1	38	3.3	1953*
2	54.1	12.3	62.3	16.8	77	25.0	1972	45.8	7.7	38	3.3	1977*
3	53.5	11.9	62.4	16.9	78	25.6	1968	44.6	7.0	33	0.6	1966
4	54.6	12.6	64.4	18.0	86	30.0	1968	44.7	7.1	37	2.8	1966*
5	55.8	13.2	65.2	18.4	78	25.6	1960*	46.5	8.1	36	2.2	1948
6	55.3	12.9	64.1	17.8	78	25.6	1966	46.5	8.1	39	3.9	1974
7	55.5	13.1	64.8	18.2	78	25.6	1977	46.3	7.9	39	3.9	1958
8	54.9	12.7	63.6	17.6	79	26.1	1961*	46.2	7.9	37	2.8	1971*
9	54.7	12.6	62.0	16.7	72	22.2	1961*	47.4	8.6	39	3.9	1974
10	54.4	12.4	61.8	16.6	76	24.4	1959	46.9	8.3	43	6.1	1974*
11	54.8	12.7	63.0	17.2	85	29.4	1959	46.6	8.1	40	4.4	1975
12	55.3	12.9	64.1	17.8	82	27.8	1959	46.5	8.1	40	4.4	1975
13	55.4	13.0	63.6	17.6	80	26.7	1970*	47.3	8.5	41	5.0	1954
14	55.6	13.1	64.8	18.2	84	28.9	1951	46.3	7.9	39	3.9	1975
15	56.1	13.4	65.7	18.7	82	27.8	1951	46.5	8.1	38	3.3	1975
16	56.8	13.8	65.9	18.8	83	28.3	1959	47.6	8.7	41	5.0	1948
17	56.1	13.4	64.8	18.2	87	30.6	1964	47.4	8.6	40	4.4	1975
18	55.9	13.3	64.3	17.9	77	25.0	1966*	47.5	8.6	42	5.6	1975
19	57.0	13.9	66.0	18.9	84	28.9	1960	48.0	8.9	40	4.4	1968
20	57.5	14.2	66.5	19.2	80	26.7	1960	48.4	9.1	42	5.6	1971*
21	57.2	14.0	66.6	19.2	81	27.2	1959	47.9	8.8	40	4.4	1952
22	56.9	13.8	65.4	18.6	78	25.6	1976*	48.4	9.1	42	5.6	1952
23	56.6	13.7	64.9	18.3	83	28.3	1953	48.3	9.1	39	3.9	1973
24	56.6	13.7	65.0	18.3	78	25.6	1969	48.1	8.9	42	5.6	1962*
25	56.2	13.4	64.5	18.1	79	26.1	1969	48.0	8.9	37	2.8	1948
26	56.9	13.8	65.4	18.6	83	28.3	1953	48.5	9.2	41	5.0	1977*
27	58.0	14.4	66.8	19.3	83	28.3	1963*	49.2	9.6	41	5.0	1975
28	57.6	14.2	65.6	18.7	79	26.1	1956	49.6	9.8	41	5.0	1975
29	57.4	14.1	66.3	19.1	85	29.4	1964*	48.4	9.1	41	5.0	1973
30	56.9	13.8	65.3	18.5	77	25.0	1950	48.6	9.2	39	3.9	1967
31	57.7	14.3	66.1	18.9	86	30.0	1966	49.2	9.6	40	4.4	1977
Monthly	56.0	13.3	64.7	18.2	87	30.6	1964	47.3	8.5	33	0.6	1966

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

93107

MIRAMAR, CALIFORNIA

1948-1977

APRIL

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	57.4	14.1	66.0	18.9	90	32.2	48.8	9.3	43	6.1	1976*
2	57.7	14.3	66.4	19.1	86	30.0	48.9	9.4	41	5.0	1976*
3	57.6	14.2	66.9	19.4	89	31.7	48.3	9.1	40	4.4	1975
4	59.2	15.1	68.8	20.4	90	32.2	49.5	9.7	43	6.1	1975
5	59.5	15.3	69.0	20.6	87	30.6	50.0	10.0	41	5.0	1948
6	58.1	14.5	66.5	19.2	88	31.1	49.6	9.8	41	5.0	1975
7	57.6	14.2	66.0	18.9	88	31.1	49.2	9.6	40	4.4	1975
8	58.6	14.8	67.7	19.8	81	27.2	49.4	9.7	42	5.6	1967
9	58.3	14.6	67.1	19.5	87	30.6	49.4	9.7	41	5.0	1953
10	58.2	14.6	66.6	19.2	86	30.0	49.9	9.9	41	5.0	1953
11	57.7	14.3	66.1	18.9	80	26.7	49.3	9.6	41	5.0	1974
12	58.9	14.9	68.0	20.0	83	28.3	49.8	9.9	39	3.9	1953*
13	59.5	15.3	68.4	20.2	86	30.0	50.6	10.3	43	6.1	1948
14	59.5	15.3	68.8	20.4	95	35.0	50.3	10.2	44	6.7	1972
15	60.7	15.9	70.9	21.6	95	35.0	50.3	10.3	42	5.6	1976
16	59.8	15.4	68.1	20.1	89	31.7	51.5	10.8	41	5.0	1967
17	59.3	15.2	67.2	19.6	81	27.2	51.3	10.7	41	5.0	1976
18	58.2	14.6	65.6	18.7	81	27.2	50.8	10.4	41	5.0	1976
19	57.7	14.3	65.8	18.8	82	27.8	49.6	9.8	43	6.1	1975
20	59.0	15.0	67.8	19.9	88	31.1	50.3	10.2	41	5.0	1972
21	58.7	14.8	67.0	19.4	86	30.0	50.3	10.2	42	5.6	1973
22	59.0	15.0	66.9	19.4	82	27.8	51.1	10.6	42	5.6	1972*
23	59.1	15.1	67.0	19.4	82	27.8	51.2	10.7	44	6.7	1971*
24	58.6	14.8	66.5	19.2	81	27.2	50.7	10.4	44	6.7	1970
25	58.6	14.8	66.8	19.3	81	27.2	50.4	10.2	42	5.6	1974
26	58.9	14.9	67.0	19.4	81	27.2	50.8	10.4	44	6.7	1974*
27	59.1	15.1	66.9	19.4	84	28.9	51.2	10.7	42	5.6	1971
28	59.4	15.2	66.9	19.4	82	27.8	51.8	11.0	45	7.2	1975
29	59.0	15.0	66.7	19.3	80	26.7	51.3	10.7	43	6.1	1970
30	59.4	15.2	67.3	19.6	78	25.6	51.6	10.9	43	6.1	1967
31											
Monthly	58.7	14.8	67.2	19.6	95	35.0	50.3	10.2	39	3.9	1953*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

STATION 93107 MIRAMAR, CALIFORNIA 1948-1977 YEARS MONTH MAY

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C			° F	° C	° F	° C				
1	60.4	15.8	68.6	20.3	81	27.2	1970*	52.3	11.3	42	5.6	1967	52.3	11.3	42	5.6	1967			
2	60.4	15.8	68.7	20.4	89	31.7	1970	52.0	11.1	44	6.7	1967	52.0	11.1	44	6.7	1967			
3	61.2	16.2	69.6	20.9	88	31.1	1970	52.9	11.6	46	7.6	1953	52.9	11.6	46	7.6	1953			
4	60.1	15.6	68.0	20.0	88	31.1	1953	52.3	11.3	43	7.2	1951	52.3	11.3	43	7.2	1951			
5	59.8	15.4	67.1	19.5	89	31.7	1953	52.4	11.3	43	6.1	1950	52.4	11.3	43	6.1	1950			
6	60.1	15.6	68.1	20.1	84	28.9	1953	52.2	11.2	43	6.1	1975*	52.2	11.2	43	6.1	1975*			
7	60.4	15.8	68.4	20.2	85	29.4	1960	52.3	11.3	44	6.7	1975	52.3	11.3	44	6.7	1975			
8	60.8	16.0	68.7	20.4	82	27.8	1960	53.0	11.7	43	7.2	1950	53.0	11.7	43	7.2	1950			
9	61.1	16.2	68.6	20.3	83	28.3	1961	53.6	12.0	48	8.9	1952	53.6	12.0	48	8.9	1952			
10	61.4	16.3	69.2	20.7	83	28.3	1960	53.5	11.9	47	8.3	1975	53.5	11.9	47	8.3	1975			
11	61.6	16.4	69.7	20.9	86	30.0	1960	53.4	11.9	49	9.4	1967*	53.4	11.9	49	9.4	1967*			
12	61.2	16.2	68.9	20.5	79	26.1	1976*	53.4	11.9	45	7.2	1967	53.4	11.9	45	7.2	1967			
13	61.2	16.2	69.3	20.7	82	27.8	1976	53.0	11.7	46	7.8	1967	53.0	11.7	46	7.8	1967			
14	61.4	16.3	68.9	20.5	87	30.6	1967	54.0	12.2	49	9.4	1968*	54.0	12.2	49	9.4	1968*			
15	62.2	16.8	70.2	21.2	93	33.9	1970	54.2	12.3	47	8.3	1968	54.2	12.3	47	8.3	1968			
16	62.3	16.8	70.3	21.3	96	35.6	1956	54.3	12.4	49	9.4	1962*	54.3	12.4	49	9.4	1962*			
17	62.7	17.1	71.1	21.7	93	33.9	1956	54.2	12.3	46	7.8	1962	54.2	12.3	46	7.8	1962			
18	62.6	17.0	70.8	21.6	84	28.9	1971	54.3	12.4	49	9.4	1977*	54.3	12.4	49	9.4	1977*			
19	62.5	16.9	70.3	21.3	81	27.2	1955	54.7	12.6	46	7.8	1974	54.7	12.6	46	7.8	1974			
20	61.8	16.6	69.6	20.9	84	28.9	1960	54.0	12.2	43	6.1	1974	54.0	12.2	43	6.1	1974			
21	61.3	16.3	68.5	20.3	80	26.7	1964	54.2	12.3	47	8.3	1948	54.2	12.3	47	8.3	1948			
22	61.6	16.4	69.1	20.6	88	31.1	1958	54.2	12.3	47	8.3	1975	54.2	12.3	47	8.3	1975			
23	61.3	16.3	68.1	20.1	79	26.1	1967	54.6	12.6	47	8.3	1975	54.6	12.6	47	8.3	1975			
24	61.3	16.3	68.0	20.0	79	26.1	1964	54.5	12.5	51	10.6	1975*	54.5	12.5	51	10.6	1975*			
25	61.8	16.6	69.0	20.6	82	27.8	1964	54.7	12.6	49	9.4	1963	54.7	12.6	49	9.4	1963			
26	62.6	17.0	70.2	21.2	85	29.4	1974*	55.0	12.8	48	8.9	1953	55.0	12.8	48	8.9	1953			
27	62.5	16.9	69.7	20.9	83	28.3	1972*	55.3	12.9	48	8.9	1953	55.3	12.9	48	8.9	1953			
28	63.0	17.2	70.3	21.3	93	33.9	1973	55.7	13.2	50	10.0	1971	55.7	13.2	50	10.0	1971			
29	62.7	17.1	69.6	20.9	82	27.8	1972	55.8	13.2	48	8.9	1971	55.8	13.2	48	8.9	1971			
30	62.4	16.9	68.9	20.5	78	25.6	1972	55.9	13.3	48	8.9	1976*	55.9	13.3	48	8.9	1976*			
31	62.4	16.9	68.5	20.3	82	27.8	1972	56.4	13.6	49	9.4	1967	56.4	13.6	49	9.4	1967			
Monthly	61.6	16.4	69.2	20.7	96	35.6	1956	53.9	12.2	42	5.6	1967	53.9	12.2	42	5.6	1967			

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

25 DAILY AVERAGE/EXTREME TEMP MAR 1978

93107

MIRAMAR, CALIFORNIA

1948-1977

JUNE

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	62.6	17.0	69.7	20.9	76	24.4	76	24.4	55.4	13.0	46	7.8	1967
2	63.5	17.5	71.2	21.8	85	29.4	85	29.4	55.8	13.2	46	7.8	1967
3	63.2	17.3	70.6	21.4	94	34.4	94	34.4	55.8	13.2	47	8.3	1971
4	63.6	17.6	70.6	21.4	89	31.7	89	31.7	56.7	13.7	50	10.0	1967
5	63.1	17.3	69.5	20.8	80	26.7	80	26.7	56.7	13.7	50	10.0	1967
6	63.0	17.2	69.6	20.9	85	29.4	85	29.4	56.4	13.6	52	11.1	1952*
7	63.2	17.3	70.0	21.1	88	31.1	88	31.1	56.4	13.6	51	10.6	1952
8	62.6	17.0	68.5	20.3	78	25.6	78	25.6	56.8	13.8	50	10.0	1950
9	61.9	16.6	68.1	20.1	78	25.6	78	25.6	55.8	13.2	49	9.4	1952
10	62.5	16.9	69.0	20.6	76	24.4	76	24.4	56.0	13.3	51	10.6	1976*
11	63.4	17.4	70.4	21.3	80	26.7	80	26.7	56.3	13.5	49	9.4	1953
12	63.7	17.6	70.9	21.6	87	30.6	87	30.6	56.6	13.7	50	10.0	1976*
13	64.6	18.1	72.0	22.2	89	31.7	89	31.7	57.1	13.9	49	9.4	1952
14	64.0	17.8	71.7	22.1	81	27.2	81	27.2	56.3	13.5	49	9.4	1952
15	64.5	18.1	72.2	22.3	85	29.4	85	29.4	56.8	13.8	47	8.3	1975
16	64.6	18.1	71.8	22.1	79	26.1	79	26.1	57.5	14.2	52	11.1	1962
17	64.9	18.3	72.7	22.6	98	36.7	98	36.7	57.1	13.9	52	11.1	1965
18	65.9	18.8	73.7	23.2	100	37.8	100	37.8	58.1	14.5	52	11.1	1975
19	66.2	19.0	74.2	23.4	94	34.4	94	34.4	58.2	14.6	52	11.1	1974
20	66.6	19.2	75.0	23.9	93	33.9	93	33.9	58.1	14.5	50	10.0	1975
21	66.6	19.2	75.0	23.9	97	36.1	97	36.1	58.1	14.5	51	10.6	1975*
22	66.3	19.1	74.0	23.3	87	30.6	87	30.6	56.6	14.8	54	12.2	1963
23	66.7	19.3	74.8	23.8	91	32.8	91	32.8	58.7	14.8	52	11.1	1963
24	66.5	19.2	74.1	23.4	91	32.8	91	32.8	58.9	14.9	50	10.0	1963
25	66.4	19.1	74.5	23.6	91	32.8	91	32.8	58.3	14.6	51	10.6	1975*
26	66.9	19.4	75.4	24.1	95	35.0	95	35.0	58.4	14.7	52	11.1	1975
27	67.6	19.8	76.3	24.6	100	37.8	100	37.8	58.9	14.9	51	10.6	1965
28	67.5	19.7	77.0	25.0	93	33.9	93	33.9	58.0	14.4	49	9.4	1950
29	67.9	19.9	77.5	25.3	89	31.7	89	31.7	58.4	14.7	52	11.1	1963
30	68.0	20.0	77.8	25.4	91	32.8	91	32.8	58.3	14.6	52	11.1	1952
31													
Monthly	64.9	18.3	72.6	22.6	100	37.8	100	37.8	57.3	14.1	46	7.8	1967

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1977

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

1947-1977
YEARS

JULY
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP		MINIMUM TEMP		DATE
	AVERAGE ° F	AVERAGE ° C	AVERAGE ° F	EXTREME ° F	AVERAGE ° F	EXTREME ° F	
1	67.9	19.9	77.0	88	58.8	32	1960
2	67.8	19.9	76.6	86	59.1	34	1964*
3	68.2	20.1	77.2	90	59.2	34	1970
4	68.0	20.0	76.7	101	59.2	34	1957
5	68.0	20.0	76.6	87	59.3	35	1970
6	68.8	20.4	77.7	89	59.8	35	1950
7	69.1	20.6	78.4	89	59.7	34	1954
8	69.3	21.0	79.6	91	60.0	30	1968
9	69.6	20.9	79.3	90	59.6	32	1953
10	70.3	21.3	80.0	98	60.7	34	1959
11	70.6	21.4	79.6	96	61.5	33	1968
12	69.3	20.7	77.7	92	60.8	35	1968
13	69.4	20.8	77.6	90	61.2	32	1953
14	69.1	20.6	77.5	85	60.6	32	1957*
15	69.1	20.6	76.9	88	61.3	36	1954
16	69.3	20.8	77.3	84	61.6	36	1954
17	70.3	21.3	78.9	88	61.7	37	1966*
18	70.6	21.4	80.1	89	61.1	34	1966
19	70.8	21.6	79.4	92	62.2	36	1951
20	70.4	21.3	78.7	92	62.0	37	1960
21	70.2	21.2	78.5	96	62.0	37	1960
22	69.8	21.0	77.9	91	61.8	36	1960
23	70.4	21.3	78.3	92	62.5	38	1960
24	70.6	21.4	79.0	88	62.1	36	1966*
25	71.1	21.7	79.7	92	62.5	38	1977
26	71.2	21.8	79.4	97	63.0	60	1977
27	71.7	22.1	80.2	92	63.2	36	1977
28	71.9	22.2	80.5	93	63.4	38	1977
29	71.9	22.2	80.1	96	63.7	38	1972
30	72.1	22.3	80.7	91	63.5	37	1972
31	72.1	22.3	80.9	90	63.3	36	1957
Monthly	70.0	21.1	78.6	101	61.3	50	1957

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

93107

MIRAMAR, CALIFORNIA

1947-1977

AUGUST

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	DATE
1	72.0	22.2	80.8	27.1	95	35.0	63.2	17.3	58	14.4	1972*
2	72.1	22.3	80.6	27.0	94	34.4	63.6	17.6	57	13.9	1971*
3	71.1	21.7	79.3	26.3	90	32.2	62.9	17.2	59	15.0	1966
4	70.3	21.6	78.9	26.1	89	31.7	62.8	17.1	57	13.9	1961
5	71.6	22.0	80.1	26.7	93	33.9	63.1	17.3	55	12.8	1969
6	71.8	22.1	81.0	27.2	94	34.4	62.6	17.0	53	11.7	1971
7	72.0	22.2	81.2	27.3	92	33.3	62.9	17.2	53	11.7	1970*
8	71.9	22.2	80.7	27.1	93	33.9	63.1	17.3	57	13.9	1965
9	71.8	22.1	80.1	26.7	94	34.4	63.5	17.5	57	13.9	1965
10	71.3	21.8	79.4	26.3	91	32.8	63.3	17.4	57	13.9	1969
11	71.0	21.7	78.9	26.1	91	32.8	63.2	17.3	57	13.9	1965
12	71.2	21.8	79.3	26.3	93	35.0	63.2	17.3	56	13.3	1965
13	71.5	21.9	79.6	26.4	93	35.0	63.5	17.5	57	13.9	1965
14	71.3	21.8	79.8	26.6	95	35.0	62.8	17.1	53	11.7	1965
15	71.5	21.9	80.2	26.8	89	31.7	62.8	17.1	55	12.8	1965*
16	71.8	22.1	80.1	26.7	90	32.2	63.5	17.5	57	13.9	1966*
17	70.8	21.6	78.8	26.0	87	30.6	62.7	17.1	55	12.8	1966*
18	71.0	21.7	78.9	26.1	88	31.1	63.0	17.2	56	13.3	1967
19	71.0	21.7	79.0	26.1	90	32.2	62.9	17.2	57	13.9	1964
20	71.1	21.7	79.5	26.4	88	31.1	62.8	17.1	57	13.9	1967
21	70.7	21.5	79.2	26.2	90	32.2	62.2	16.8	59	13.0	1961
22	70.6	21.4	79.3	26.3	98	36.7	61.9	16.6	56	13.3	1972
23	70.7	21.5	79.5	26.4	94	34.4	61.9	16.6	54	12.2	1956
24	71.2	21.8	80.0	26.7	88	31.1	62.4	16.9	56	13.3	1968
25	71.0	21.7	79.8	26.6	89	31.7	62.2	16.8	54	12.2	1966*
26	71.0	21.7	79.4	26.3	88	31.1	62.6	17.0	57	13.9	1965*
27	70.8	21.6	79.2	26.2	90	32.2	62.3	16.8	53	11.7	1971*
28	70.4	21.3	78.9	26.1	90	32.2	61.9	16.6	53	11.7	1968
29	70.5	21.4	79.6	26.4	93	33.9	61.1	16.2	53	11.7	1967
30	70.9	21.6	80.1	26.7	98	36.7	61.7	16.5	53	11.7	1967
31	71.3	21.8	80.3	26.8	97	36.1	62.4	16.9	56	13.3	1967*
Monthly	71.2	21.8	79.7	26.5	98	36.7	62.7	17.1	53	11.7	1976*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMPERATURES MAR 1978

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

1947-1977

YEARS

SEPTEMBER
MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		DATE		MINIMUM TEMP		AVERAGE		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C
1	71.8	22.1	80.9	27.2	107	41.7	62.7	17.1	56	13.3	1955	13.3	56	17.1	62.7	17.1	56	13.3	1955	13.3
2	71.7	22.1	80.8	27.1	108	42.2	62.6	17.0	57	13.9	1955	13.9	57	17.0	62.6	17.0	57	13.9	1955	13.9
3	71.9	22.2	81.3	27.4	102	38.9	62.4	16.9	57	13.9	1950	13.9	57	16.9	62.4	16.9	57	13.9	1971*	13.9
4	71.4	21.9	80.5	26.9	100	37.8	62.2	16.8	55	12.8	1961	12.8	55	16.8	62.2	16.8	55	12.8	1971*	12.8
5	71.2	21.8	80.2	26.8	95	35.0	62.2	16.8	56	13.3	1961	13.3	56	16.8	62.2	16.8	56	13.3	1970	13.3
6	70.9	21.6	80.2	26.8	98	36.7	61.7	16.5	53	11.7	1955	11.7	53	16.5	61.7	16.5	53	11.7	1970	11.7
7	71.6	22.0	80.9	27.2	97	36.1	62.4	16.9	57	13.9	1949	13.9	57	16.9	62.4	16.9	57	13.9	1956*	13.9
8	71.2	21.8	80.7	27.1	92	33.3	61.6	16.4	53	12.8	1976	12.8	53	16.4	61.6	16.4	53	12.8	1963*	12.8
9	71.1	21.7	80.6	27.0	100	37.8	61.7	16.5	53	12.8	1956	12.8	53	16.5	61.7	16.5	53	12.8	1951	12.8
10	71.5	21.9	80.8	27.1	99	37.2	62.3	16.8	53	12.8	1956	12.8	53	16.8	62.3	16.8	53	12.8	1950	12.8
11	71.7	22.1	80.8	27.1	98	36.7	62.6	17.0	54	12.2	1959	12.2	54	17.0	62.6	17.0	54	12.2	1952	12.2
12	70.4	21.3	79.1	26.2	96	35.6	61.7	16.5	52	11.1	1971*	11.1	52	16.5	61.7	16.5	52	11.1	1952	11.1
13	70.3	21.3	79.5	26.4	103	39.4	61.2	16.2	53	11.7	1971	11.7	53	16.2	61.2	16.2	53	11.7	1952	11.7
14	69.5	20.8	78.0	25.6	89	31.7	60.9	16.1	54	12.2	1966*	12.2	54	16.1	60.9	16.1	54	12.2	1966	12.2
15	69.0	20.6	77.7	25.4	90	32.2	60.3	15.7	49	9.4	1958	9.4	49	15.7	60.3	15.7	49	9.4	1952	9.4
16	69.1	20.6	76.9	24.9	91	32.8	61.4	16.3	52	11.1	1966*	11.1	52	16.3	61.4	16.3	52	11.1	1952	11.1
17	69.0	20.6	76.5	24.7	92	33.3	61.6	16.4	56	13.3	1966	13.3	56	16.4	61.6	16.4	56	13.3	1977*	13.3
18	68.6	20.3	76.9	24.9	92	33.3	60.3	15.7	56	13.3	1951	13.3	56	15.7	60.3	15.7	56	13.3	1972*	13.3
19	68.2	20.1	77.1	25.1	88	31.1	59.4	15.2	51	10.6	1956*	10.6	51	15.2	59.4	15.2	51	10.6	1970	10.6
20	68.3	20.2	77.3	25.2	89	31.7	59.4	15.2	50	10.0	1951	10.0	50	15.2	59.4	15.2	50	10.0	1954	10.0
21	68.2	20.1	76.9	24.9	90	32.2	59.5	15.3	49	9.4	1972*	9.4	49	15.3	59.5	15.3	49	9.4	1954	9.4
22	69.2	20.7	78.8	26.0	92	33.3	59.7	15.4	52	11.1	1970	11.1	52	15.4	59.7	15.4	52	11.1	1970*	11.1
23	69.3	20.7	78.6	25.9	97	36.1	60.0	15.6	54	12.2	1975	12.2	54	15.6	60.0	15.6	54	12.2	1973*	12.2
24	69.8	21.0	79.6	26.4	97	36.1	59.9	15.5	52	11.1	1975	11.1	52	15.5	59.9	15.5	52	11.1	1970	11.1
25	68.8	20.4	78.1	25.6	97	36.1	59.5	15.3	53	11.7	1963	11.7	53	15.3	59.5	15.3	53	11.7	1958	11.7
26	69.3	20.7	78.7	25.9	111	43.9	59.9	15.5	50	10.0	1963	10.0	50	15.5	59.9	15.5	50	10.0	1948	10.0
27	69.2	20.7	78.2	25.7	109	42.8	60.3	15.7	52	11.1	1963	11.1	52	15.7	60.3	15.7	52	11.1	1971	11.1
28	68.8	20.4	78.0	25.6	107	41.7	59.6	15.3	49	9.4	1963	9.4	49	15.3	59.6	15.3	49	9.4	1971	9.4
29	68.8	20.4	77.9	25.5	96	35.6	59.6	15.3	52	11.1	1963	11.1	52	15.3	59.6	15.3	52	11.1	1971*	11.1
30	67.6	19.8	76.2	24.6	92	33.3	59.0	15.0	52	11.1	1965	11.1	52	15.0	59.0	15.0	52	11.1	1971*	11.1
31																				
Monthly	69.9	21.1	78.9	26.1	111	43.9	60.9	16.1	49	9.4	1963	9.4	49	16.1	60.9	16.1	49	9.4	1971*	9.4

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

25 DAILY AVERAGE/EXTREME TEMP MAR 1978

STATION 93107 HIRAMAR, CALIFORNIA 1947-1977 OCTOBER MONTH
STATION NAME YEARS

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C		
1	67.2	19.6	75.8	24.3	95	35.0	1965	58.5	14.7	46	7.8	1971
2	67.7	19.8	76.7	24.8	99	37.2	1965	58.7	14.8	49	9.4	1971
3	67.8	19.9	77.5	25.3	93	33.9	1958	58.1	14.5	49	9.4	1971
4	68.4	20.2	77.7	25.4	98	36.7	1953	59.0	15.0	53	11.7	1971
5	68.6	20.3	78.1	25.6	100	37.8	1953	59.1	15.1	52	11.1	1950
6	68.9	20.5	77.3	25.2	98	36.7	1964	60.5	15.8	50	10.0	1969
7	68.2	20.1	78.0	25.6	93	33.9	1971*	58.4	14.7	51	10.6	1975*
8	67.3	19.6	77.0	25.0	93	33.9	1976	57.6	14.2	48	8.9	1961
9	66.7	19.3	76.4	24.7	94	34.4	1976	57.0	13.9	49	9.4	1975
10	65.6	18.7	75.0	23.9	98	36.7	1971	56.2	13.4	48	8.9	1973*
11	65.3	18.5	74.3	23.5	91	32.8	1971	56.3	13.5	49	9.4	1973
12	65.3	18.5	74.6	23.7	97	36.1	1950	56.1	13.4	47	8.3	1973
13	65.5	18.6	75.3	24.1	99	37.2	1950	55.6	13.1	46	7.8	1952
14	66.1	18.9	76.0	24.4	105	40.6	1961	56.3	13.5	49	9.4	1952*
15	67.3	19.6	77.5	25.3	102	38.9	1961	57.0	13.9	50	10.0	1960*
16	66.5	19.2	76.5	24.7	104	40.0	1958	56.5	13.6	47	8.3	1971
17	66.6	19.2	76.7	24.8	100	37.8	1958	56.5	13.6	45	7.2	1971
18	66.0	18.9	74.9	23.8	93	33.9	1967	57.1	13.9	45	7.2	1971
19	65.3	18.5	75.3	24.1	99	37.2	1964	55.3	12.9	43	6.1	1949
20	64.9	18.3	74.3	23.5	100	37.8	1964	55.5	13.1	45	7.2	1949
21	64.8	18.2	73.5	23.1	102	38.9	1965	56.1	13.4	43	6.1	1949
22	64.4	18.0	73.8	23.2	104	40.0	1965	54.9	12.7	44	6.7	1949
23	64.6	18.1	73.9	23.3	99	37.2	1965	55.3	12.9	45	7.2	1971
24	64.4	18.0	74.5	23.6	96	35.6	1968*	54.3	12.4	44	6.7	1975
25	64.3	17.9	74.7	23.7	96	35.6	1966	53.9	12.2	44	6.7	1971
26	64.3	17.9	74.1	23.4	92	33.3	1965	54.4	12.4	45	7.2	1971
27	64.3	17.9	73.8	23.2	95	35.0	1965	54.6	12.7	47	8.3	1970
28	64.6	18.1	75.2	24.0	93	33.9	1973*	54.0	12.2	43	6.1	1971
29	64.3	17.9	75.1	23.9	92	33.3	1965	53.5	11.9	38	3.3	1971
30	64.1	17.8	74.8	23.8	95	35.0	1962	53.4	11.9	33	0.6	1971
31	63.1	17.3	73.7	23.2	92	33.3	1962	52.5	11.4	40	4.4	1971
Monthly	65.9	18.8	75.5	24.2	105	40.6	1961	56.2	13.4	33	0.6	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1976

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

1947-1977

YEARS

NOVEMBER

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C				
1	63.9	17.7	74.6	23.7	100	37.8	53.1	11.7	41	5.0	1966		53.1	11.7	41	5.0			1971	
2	63.7	17.6	74.0	23.3	97	36.1	53.4	11.9	43	6.1	1966		53.4	11.9	43	6.1			1971	
3	64.0	17.8	74.7	23.7	94	34.4	53.3	11.8	43	6.1	1976*		53.3	11.8	43	6.1			1975	
4	64.2	17.9	74.6	23.7	97	36.1	53.7	12.1	43	6.1	1976		53.7	12.1	43	6.1			1975	
5	63.9	17.7	74.1	23.4	96	35.6	53.7	12.1	43	6.1	1976		53.7	12.1	43	6.1			1975	
6	63.7	17.6	74.6	23.7	90	32.2	52.8	11.6	43	6.1	1949		52.8	11.6	43	6.1			1975	
7	62.5	16.9	72.5	22.5	90	32.2	52.5	11.4	44	6.7	1956		52.5	11.4	44	6.7			1975	
8	62.2	16.8	72.5	22.5	89	31.7	52.0	11.1	46	7.8	1976*		52.0	11.1	46	7.8			1974*	
9	62.7	17.1	73.1	22.8	95	35.0	52.2	11.2	41	5.0	1936		52.2	11.2	41	5.0			1971	
10	62.6	17.0	72.7	22.6	92	33.3	52.0	11.1	45	7.2	1936		52.0	11.1	45	7.2			1932	
11	62.0	16.7	72.4	22.4	88	31.1	51.6	10.9	42	5.6	1974*		51.6	10.9	42	5.6			1932	
12	61.1	16.2	70.3	21.4	89	31.7	51.6	11.0	44	6.7	1974		51.6	11.0	44	6.7			1950	
13	61.2	16.2	70.2	21.2	90	32.2	52.3	11.3	42	5.6	1949		52.3	11.3	42	5.6			1947	
14	59.9	15.5	67.9	19.9	87	30.6	51.8	11.0	42	5.6	1949		51.8	11.0	42	5.6			1964	
15	58.9	14.9	67.1	19.5	85	29.4	50.8	10.4	40	4.4	1949		50.8	10.4	40	4.4			1964	
16	59.0	15.0	67.9	19.9	83	28.3	50.2	10.1	38	3.3	1976*		50.2	10.1	38	3.3			1971*	
17	59.6	15.3	68.9	20.5	88	31.1	50.3	10.2	40	4.4	1949		50.3	10.2	40	4.4			1958	
18	59.0	15.0	68.8	20.4	88	31.1	49.2	9.6	39	3.9	1949		49.2	9.6	39	3.9			1964	
19	58.9	14.9	68.3	20.2	82	27.8	49.5	9.7	39	3.9	1954		49.5	9.7	39	3.9			1964	
20	58.9	14.9	68.7	20.4	84	28.9	49.1	9.5	40	4.4	1954		49.1	9.5	40	4.4			1964	
21	58.5	14.7	68.3	20.2	85	29.4	48.6	9.2	40	4.4	1954		48.6	9.2	40	4.4			1953	
22	57.6	14.2	67.5	19.7	88	31.1	47.7	8.7	41	5.0	1950		47.7	8.7	41	5.0			1971	
23	58.7	14.8	70.0	21.1	85	29.4	47.4	8.6	38	3.3	1950		47.4	8.6	38	3.3			1971	
24	60.0	15.6	71.8	22.1	87	30.6	48.2	9.0	37	2.8	1959		48.2	9.0	37	2.8			1971	
25	59.8	15.4	70.5	21.4	91	32.8	49.0	9.4	39	3.9	1953		49.0	9.4	39	3.9			1975	
26	59.8	15.4	69.6	20.9	84	28.9	49.9	9.9	43	6.1	1959*		49.9	9.9	43	6.1			1971	
27	58.7	14.8	69.3	20.7	82	27.8	48.2	9.0	40	4.4	1969		48.2	9.0	40	4.4			1976	
28	59.1	15.1	69.9	21.1	79	26.1	48.3	9.1	37	2.8	1966*		48.3	9.1	37	2.8			1976	
29	59.5	15.3	70.5	21.4	84	28.9	48.5	9.2	38	3.3	1953		48.5	9.2	38	3.3			1976*	
30	59.1	15.1	69.4	20.8	89	31.7	48.6	9.3	39	3.9	1964		48.6	9.3	39	3.9			1975	
31																				
Monthly	60.8	16.0	70.8	21.6	100	37.8	50.7	10.4	37	2.8	1966		50.7	10.4	37	2.8			1976*	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93107
STATION

MIRAMAR, CALIFORNIA
STATION NAME

1947-1977

YEARS

DECEMBER
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP			DATE
	° F	° C	AVERAGE ° F	° C	EXTREME ° F	AVERAGE ° F	° C	EXTREME ° F	° C
1	58.5	14.7	68.5	20.3	85	48.4	9.1	40	4.4
2	58.9	14.9	69.2	20.7	84	48.5	9.2	40	4.4
3	57.9	14.4	68.5	20.3	89	47.4	8.6	38	3.3
4	57.5	14.2	66.7	19.3	83	46.4	9.1	39	3.9
5	57.1	13.9	66.7	19.3	88	47.5	8.6	37	2.8
6	57.0	13.9	67.1	19.5	81	47.0	8.3	38	3.3
7	56.2	13.4	66.8	19.3	83	45.6	7.6	34	1.1
8	56.4	13.6	66.7	19.3	86	46.2	7.9	30	-1.1
9	56.5	13.6	66.5	19.2	84	46.5	8.1	33	0.6
10	55.9	13.3	65.7	18.7	83	46.0	7.8	37	2.8
11	56.1	13.4	65.6	18.7	86	46.7	8.2	36	2.2
12	56.5	13.6	67.0	19.4	81	46.0	7.8	35	1.7
13	56.1	13.4	66.9	19.4	88	45.4	7.4	34	1.1
14	56.0	13.3	66.3	19.1	84	45.6	7.6	35	1.7
15	56.3	13.5	66.7	19.3	82	45.8	7.7	36	2.2
16	57.1	13.9	67.5	19.7	82	46.6	8.1	34	1.1
17	56.7	13.7	66.7	19.3	82	46.7	8.2	34	1.1
18	55.8	13.2	65.4	18.6	79	46.2	7.9	39	3.9
19	56.3	13.5	66.2	19.0	82	46.5	8.1	38	3.3
20	55.9	13.3	66.6	19.2	86	45.2	7.3	35	1.7
21	55.1	12.8	64.7	18.2	80	45.5	7.5	34	1.1
22	55.5	13.1	65.0	18.3	80	45.9	7.7	34	1.1
23	56.0	13.3	65.7	18.7	80	46.2	7.9	39	3.9
24	55.8	13.2	65.6	18.7	80	46.0	7.8	35	1.7
25	55.6	13.1	65.3	18.5	78	45.9	7.7	33	0.6
26	55.6	13.1	65.8	18.8	81	45.4	7.4	34	1.1
27	55.1	12.8	65.1	18.4	83	45.2	7.3	38	3.3
28	54.7	12.6	63.8	17.7	85	45.5	7.5	38	3.3
29	54.9	12.7	64.9	18.3	89	44.8	7.1	35	1.7
30	54.2	12.3	64.2	17.9	82	44.2	6.8	34	1.1
31	53.9	12.2	63.9	17.7	81	44.0	6.7	34	1.1
Monthly	56.2	13.4	66.2	19.0	89	46.2	7.9	30	-1.1

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1977

5725

5725

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

47-77

MIRAMAR, CALIFORNIA

STATION NAME

STATION

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
47													
48	80	79	72	89	81	74	91	88	95	83	76	74	
49	65	70	68				85		93		82		
50	74	72	85	81	78	85	89	85	102	99	93	78	102
51	84	75	84	75	78	85	92	89	92	92	84	69	92
52	74	81	83	81	80	77	90	92	93	88	87	81	93
53	65	83	83	68	89	85	90	83	93	100	91	88	100
54	80	85	73	74	80	80	89	89	91	92	85	82	92
55	77	79	83	79	83	80	85	97	108	86	85	75	108
56	78	73	80	76	96	89	83	94	100	86	95	83	100
57	71	79	77	76	74	100	101	91	85	85	80	84	101
58	79	80	69	88	88	81	85	89	92	104	82	89	104
59	78	74	85	90	76	87	98	95	98	93	87	85	98
60	77	71	84	88	86	90	96	87	96	96	80	86	96
61	86	80	83	89	83	91	88	92	100	105	90	77	105
62	85	93	75	88	83	84	80	90	95	95	88	81	95
63	85		83	84	83	82	84	91	111	86	87	89	
64	85	79	87	95	82	83	89	90	90	100	89	76	100
65	87	85	79	86	80	77	89	95	92	104	83	88	104
66	79	79	86	95	77	85	89	94	92	96	100	81	100
67	82	80	81	65	94	80	88	97	95	95	88	76	97
68	82	84	86	87	85	90	96	92	96	96	83	81	96
69	85	74	82	84	76	85	89	96	91	88	87	80	96
70	72	85	80	82	93	91	91	92	96	86	80	78	96
71	85	87	79	90	84	85	91	94	103	98	83	69	103
72	76	73	78	79	84	79	96	98	90	88	78	81	98
73	73	72	68	77	93	97	88	88	96	93	87	82	97
74	75	60	73	79	65	93	88	82	88	98	89	76	98
75	82	76	70	71	78	79	89	83	97	87	97	81	
76	88	79	78	76	82	100	83	98	92	94	97	83	100
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

192275

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

47-77

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

NAVWEASERVCOM

FROM DAILY OBSERVATIONS)

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

93107 MIRAMAR, CALIFORNIA

STATION NAME

STATION

YEARS

WHOLE DEGREES FAHRENHEIT

5723 Extreme Values Jan 1969

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
47	34	34	36	39	47	52	54	53	55	50	41	35	34
48	31	38	43	45	43	49	55	58	50	46	46	36	33
49	33	38	42	45	45	48	56	53	52	49	43	41	34
50	34	39	37	43	47	48	52	53	49	46	42	39	30
51	30	39	40	44	47	49	57	56	52	47	40	34	34
52	35	34	37	39	46	49	57	56	49	47	46	39	39
53	41	44	41	47	47	52	57	58	49	51	46	39	36
54	38	36	42	43	46	51	56	57	57	48	44	40	37
55	39	37	42	42	50	52	58	57	57	53	42	45	39
56	40	44	39	44	50	54	59	62	53	53	38	42	38
57	43	42	44	52	48	56	61	59	59	47	48	42	42
58	36	41	44	45	46	51	56	60	54	50	42	33	33
59	39	39	46	46	53	54	58	62	54	48	42	40	35
60	35	39	40	48	46	52	54	58	56	52	43	40	35
61	34	40	44	46	48	50	53	58	60	54	43	41	37
62	38	40	37	47	50	51	57	60	56	52	39	40	34
63	37	34	43	42	47	51	56	61	53	49	43	39	33
64	37	38	33	47	53	52	56	62	54	53	45	37	34
65	40	40	39	41	42	46	57	64	60	50	43	34	34
66	36	44	40	44	47	52	54	56	54	48	44	34	33
67	37	40	42	44	48	53	58	60	59	46	41	40	33
68	33	42	47	43	48	53	58	58	51	46	41	40	30
69	31	35	35	42	48	47	53	57	49	33	37	30	28
70	28	35	42	41	48	53	57	57	54	42	43	36	28
71	35	39	39	41	49	54	59	57	53	43	39	38	33
72	37	38	38	41	43	52	50	58	54	50	41	33	33
73	34	34	38	40	43	47	54	53	57	44	37	40	31
74	21	39	39	41	48	50	56	56	59	48	37	40	31
75													
76													
MEAN													
S. D.													
TOTAL OBS.													

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

NAVWEASERVCOM

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

47-77

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

5723 Estimate Values Jan 1969

PSYCHROMETRIC SUMMARY

93107

MIRAMAR, CALIFORNIA

73-77

FEB

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L.S.T.)

5 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Wet Bulb	Dew Point											
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31															
88/ 87																.1	1	1														
86/ 85																.1	2	2														
84/ 83																.1	1	1														
82/ 81																.1	1	1														
80/ 79																.1	4	4														
78/ 77																.1	5	5														
76/ 75										.2				.1		.2	4	4														
74/ 73									.1	.2	.4			.1		.1	11	11														
72/ 71								.1	.2	.3	.5			.2		.3	18	18														
70/ 69								.2	.4	.3	.4			.5		.4	11	11														
68/ 67								.1	.3	.5	.1			.4		.1	31	31														
66/ 65								.2	.5	.3	.4			.1		.1	35	35														
64/ 63								.3	.5	.4	.3			.1		.1	39	39														
62/ 61								.4	.5	.3	.3			.4		.1	51	51	3													
60/ 59								.5	.3	.3	.4			.4		.1	60	60	4													
58/ 57								.6	.4	.2	.1			.4		.1	87	87	2													
56/ 55								.7	.3	.1	.1			.3		.1	128	128	11													
54/ 53								.8	.4	.1	.1			.4		.1	131	131	20													
52/ 51								.9	.5	.1	.1			.5		.1	125	125	50													
50/ 49								.6	.3	.1	.1			.6		.1	114	114	88													
48/ 47								.7	.4	.1	.1			.7		.1	98	98	124													
46/ 45								.8	.4	.1	.1			.8		.1	71	71	121													
44/ 43								.9	.5	.1	.1			.9		.1	56	56	108													
42/ 41								.5	.3	.1	.1			.5		.1	26	26	78													
40/ 39								.1	.1	.1	.1			.1		.1	12	12	62													
38/ 37								.2	.1	.1	.1			.2		.1	6	6	40													
36/ 35								.3	.3	.1	.1			.3		.1			28													
34/ 33								.4	.4	.1	.1			.4		.1			12													
32/ 31								.5	.5	.1	.1			.5		.1	3	3	36													
30/ 29								.6	.6	.1	.1			.6		.1			43													
28/ 27								.7	.7	.1	.1			.7		.1			39													
26/ 25								.8	.8	.1	.1			.8		.1			31													
24/ 23								.9	.9	.1	.1			.9		.1			23													
22/ 21								.1	.1	.1	.1			.1		.1			24													
Element (X)	Σ X ²																		Σ X			No. Obs.			Mean No. of Hours with Temperature			Total				
Rel. Hum.																									≥ 67 F			≥ 80 F		≥ 93 F		
Dry Bulb																																
Wet Bulb																																
Dew Point																																

PSYCHROMETRIC SUMMARY

93107

MIRAMAR, CALIFORNIA

73-77

MAR

STATION NAME

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PAGE 1

HOURS (L.S.T.)

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PSYCHROMETRIC SUMMARY

JAN 68

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL				
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
78/ 77																		1	1					
76/ 75													.2	.1				3	3					
74/ 73												.1	.1	.1				3	3					
72/ 71												.1	.1	.1				8	6					
70/ 69											.1	.1	.1	.1				12	12					
68/ 67											.1	.1	.1	.1				15	15					
66/ 65										.1	.2	.3	.1	.1				24	24					
64/ 63										.2	.4	.7	.3	.5	.2			32	32					
62/ 61										.3	.9	.6	.5	.1				50	50	1				
60/ 59										.1	1.5	.7	.3	.2				90	90	5				
58/ 57											2.5	.8	.4	.2	.3			105	105	13	1			
56/ 55											3.5	.5	.2	.1	.2			151	151	30	3			
54/ 53											1.7	.4	.2	.2				152	152	87	9			
52/ 51											2.3	.4	.2	.2				156	156	172	20			
50/ 49											2.3	.5	.1	.1				139	139	219	87			
48/ 47											3.4	.2	.1					122	122	209	164			
46/ 45											1.9	.4	.3					85	85	176	178			
44/ 43											1.1	.2	.1					50	50	146	151			
42/ 41											.6	.3						32	32	68	129			
40/ 39											.2	.5	.2					10	10	53	132			
38/ 37																				49	110			
36/ 35																				11	58			
34/ 33																				1	62			
32/ 31																					30			
30/ 29																					27			
28/ 27																					16			
26/ 25																					22			
24/ 23																					6			
22/ 21																					5			
20/ 19																					7			
18/ 17																					6			
16/ 15																					5			
14/ 13																					4			
12/ 11																					4			
Element (X)																		Mean No. of Hours with Temperature						
Rel. Hum.																		≥ 80 F				≥ 93 F		Total
Dry Bulb																								
Wet Bulb																								
Dew Point																								

NAVWEASERVCOM

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102N 2097-94321

HOURS (L.S.Y.)

[illegible]

PSYCHROMETRIC SUMMARY

93107

MIRAMAR, CALIFORNIA

73-77

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L.S.T.)

PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
82/ 81													.1	.1				1	1	
78/ 77													.3	.1				5	5	
76/ 75									.1	.1	.2	.3	.1					9	9	
74/ 73								.1	.1	.1	.2	.3	.1					9	9	
72/ 71				.2	.2	.2	.2	.6	.2	.3	.2	.4						16	16	
70/ 69				.3	.8	.3	.8	.6	.3	.3	.2							28	28	
68/ 67				.8	.8	.8	.8	.6	.2	.1								30	30	
66/ 65				.7	1.5	1.5	.2	.7	.2	.1	.1							38	38	
64/ 63				.2	1.1	1.5	.4	.3	.2	.2	.2	.1						47	47	
62/ 61				.5	2.4	.9	.9	.3	.2	.2								63	63	3
60/ 59			.1	2.3	4.1	1.5	.4	.3	.2									106	106	10
58/ 57		.3	1.1	3.6	3.4	1.2	.5	.1										121	121	41
56/ 55	.1	.7	4.1	3.9	2.9	.8	.3											132	132	85
54/ 53		2.2	5.1	5.8	1.4	.3												176	176	128
52/ 51	.1	1.6	4.1	5.4	1.1	.2	.2											151	151	239
50/ 49	.1	1.5	4.8	2.2	.5													108	108	185
48/ 47		1.2	2.8	1.8	.1													68	68	208
46/ 45		.7	2.3	.4	.1													41	41	143
44/ 43		.2	1.3	.1														19	19	79
42/ 41		.2	.7	.1														11	11	55
40/ 39																				17
38/ 37																		5	5	102
36/ 35																		1	1	37
34/ 33																				30
32/ 31																				11
30/ 29																				9
28/ 27																				11
26/ 25																				7
22/ 21																				2
20/ 19																				1
18/ 17																				1
16/ 15																				2
TOTAL	.3	8.326	326.017	8.9.0	4.6	3.0	1.3	1.0	1.2	.8	.4	.1						1199	1199	1199
Element (X)	Mean No. of Hours with Temperature																	Total		
Rel. Hum.	ΣX ²	ΣX	ΣX	σ _x	No. Obs.													≥ 93 F	≥ 80 F	≥ 73 F
Dry Bulb	5360133	78139	6542	13.429	1199													58.8	14.4	720.0
Wet Bulb	3790216	66922	5518	6.774	1199															720.0
Dew Point	2941337	59167	4913	4.270	1199															720.0
	2278821	51851	4312	5.520	1199													26.4		720.0

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PSYCHROMETRIC SUMMARY

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL Wet Bulb	Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb			
92/ 91																		1	1			
88/ 87																		1	1			
84/ 83																		1	1			
80/ 79																		3	3			
78/ 77																		6	6			
76/ 75																		8	8			
74/ 73																		12	12			
72/ 71																		14	14			
70/ 69																		14	14			
68/ 67																		56	56	3		
66/ 65																		76	76	4		
64/ 63																		91	91	7		
62/ 61																		103	103	17		
60/ 59																		140	140	37		
58/ 57																		261	261	113		
56/ 55																		258	258	183		
54/ 53																		109	109	322		
52/ 51																		58	58	269		
50/ 49																		17	17	163		
48/ 47																		6	6	76		
46/ 45																		3	3	31		
44/ 43																		2	2	4		
42/ 41																				3		
40/ 39																				2		
38/ 37																						
36/ 35																						
34/ 33																						
32/ 31																						
TOTAL																			1240	1240	1240	

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	5926258	84532	68.2	11.492	1240	±32 F	±27 F	±23 F	±19 F	±15 F	744.0
Dry Bulb	4346950	73104	59.0	5.473	1240	±32 F	±27 F	±23 F	±19 F	±15 F	744.0
Wet Bulb	3492611	65655	52.9	3.631	1240	±32 F	±27 F	±23 F	±19 F	±15 F	744.0
Dew Point	2875550	59506	48.0	4.012	1240	±32 F	±27 F	±23 F	±19 F	±15 F	744.0

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PSYCHROMETRIC SUMMARY

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb			
98/ 97														.1				1	1				
96/ 95																.1		1	1				
94/ 93																	.1	1	1				
92/ 91												.1	.1	.1		.1	.1	5	5				
90/ 89												.1	.3	.1		.1		6	6				
88/ 87									.1		.2	.1	.2					6	6				
86/ 85									.1	.3	.2	.2						8	8				
84/ 83								.1	.3	.2	.1	.1	.1					6	6				
82/ 81							.1	.1	.3	.2	.2	.2	.1					12	12				
80/ 79						.1	.1	.1	.3	.1	.1	.3						11	11				
78/ 77					.2	.8	.2	.7	.3	.3	.1	.2						16	16				
76/ 75					.2	.1	.3	.6	.3	.1								41	41	1			
74/ 73				.2	.3	1.3	1.2	.3										35	35				
72/ 71				.3	.3	2.1	2.9	.2	.1									69	69	4			
70/ 69		.1	.2	.2	1.0	2.5	.9	.3										59	59	6			
68/ 67		.1	.2	.6	2.1	3.3	.6	.1	.1	.1								84	84	23			
66/ 65	.1	.3	.9	1.2	2.4	2.1	.1			.1								85	85	33			
64/ 63	.1	.9	1.3	3.4	3.3	.8	.1											120	120	65			
62/ 61	.2	.7	2.5	7.1	2.4	.5												158	158	109			
60/ 59	.2	1.0	8.1	5.3	1.3	.1												192	192	154			
58/ 57	.1	2.8	6.3	4.7	.5													172	172	220			
56/ 55		.9	3.9	2.7														90	90	271			
54/ 53			.6	.6														14	14	173			
52/ 51			.5	.1														7	7	98			
50/ 49																				33			
48/ 47																				9			
46/ 45																							
44/ 43																				53			
42/ 41																				25			
38/ 37																				9			
36/ 35																				1			
30/ 29																				2			
28/ 27																				3			
																				1			
Element (X)	ΣX ²		ΣX		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature						Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																							
Wet Bulb																							
Dew Point																							

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PSYCHROMETRIC SUMMA

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STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

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PSYCHROMETRIC SUMMARY

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93															.1	.1		1	1		
92/ 91															.1	.1	.1	4	4		
90/ 89															.1	.1		4	4		
88/ 87															.2			2	2		
86/ 85									.1		.1							8	8		
84/ 83							.1	.1	.2	.2	.3							15	15		
82/ 81						.1	.4	.6	.5	.1	.2							22	22		
80/ 79					.1	.5	.9	.9	.3	.2	.1							36	36		
78/ 77				.2	.8	.8	1.3	.4	.2									46	46		
76/ 75			.1	.4	1.8	1.6	2.2	.6				.1						83	84		
74/ 73					.7	1.1	2.4	2.2	.2	.1								83	83	2	
72/ 71			.2	1.6	1.9	3.0	1.9	.1										107	107	9	
70/ 69	.2	.7	.7	1.9	1.9	2.3	.3											92	92	46	5
68/ 67	1.2	3.9	2.4	2.0	2.0	1.0	.2											132	132	86	12
66/ 65	2.7	8.3	4.1	1.0	.6	.3												203	203	136	39
64/ 63	1.9	4.9	5.7	.6														164	164	215	97
62/ 61	.1	1.2	3.3	7.7	.2													154	154	261	167
60/ 59		.4	1.2	3.6														65	65	187	214
58/ 57			.5	.2														9	9	152	152
56/ 55		.1	.3	.3														9	9	103	175
54/ 53																				33	187
52/ 51																				7	126
50/ 49																				2	49
48/ 47																					10
46/ 45																					4
42/ 41																					1
36/ 35																					1
TOTAL	.1	7.723	.429	.111	.312	.0	9.6	3.0	1.6	.6	.7	.2	.3	.2	.1	.1		1239	1240	1239	1239

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature						Σ93 F	Total
Rel. Hum.	6234786	86316	69.7	13.376	1239	≤ 0 F	≥ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	5825233	84615	68.2	6.433	1240					381.6	163.0	43.8	6
Wet Bulb	4706863	76203	61.5	4.029	1239					85.9	1.2		744.0
Dew Point	4091470	70982	57.3	4.487	1239					10.2			744.0

Mean No. of Hours with Temperature

No. Obs.

σ_x

\bar{x}

Σx

Σx^2

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

≥73 F

≥80 F

≥93 F

Total

381.6

163.0

.6

744.0

85.9

1.2

744.0

10.2

744.0

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Wet Bulb		
96/ 95																	.1	1	1		
90/ 89												.1						1	1		
88/ 87											.2							3	3		
86/ 85											.2							4	4		
84/ 83											.2							10	10		
82/ 81											.2							20	20		
80/ 79										.1	.3	.5	.6	.1				19	19		
78/ 77										.2	1.0	1.6	.3	.1				43	43		
76/ 75										.2	1.8	3.1	.7					88	88		
74/ 73										.2	4.7	1.6	.1					122	122	1	
72/ 71										.2	2.7	1.4	.2					102	102	14	
70/ 69										.2	3.0	.2	.1					106	106	25	
68/ 67										.4	4.1	2.0	.7					133	133	78	
66/ 65										2.1	7.2	5.8	.6					195	195	4	
64/ 63										2.9	5.4	5.6	.3					178	178	36	
62/ 61										2.7	3.3	4.6	.1					133	133	81	
60/ 59										1.0	1.9	1.5	.1					56	56	150	
58/ 57										.1	.2	.6	.2					14	14	235	
56/ 55											.8							10	10	128	
54/ 53											.1							1	1	283	
52/ 51																		9	9	193	
50/ 49																		20	20	136	
48/ 47																		1	1	81	
46/ 45																				29	
TOTAL	.2	9.4	24.1	26.2	12.8	13.6	9.0	3.5	.6	.2	.2	.1						1239	1239	1239	

Element (X)	ΣX ²	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6372159	87545	70.7	12.271	1239	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	5780157	84305	68.0	5.948	1239				391.5	186.8	26.4	744.0
Wet Bulb	4724769	76375	61.6	3.686	1239				70.9	.6		744.0
Dew Point	4134366	71418	57.6	3.762	1239				3.0			744.0

Mean No. of Hours with Temperature

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature	Total
Rel. Hum.	6372159	87545	70.7	12.271	1239	≥ 67 F	744.0
Dry Bulb	5780157	84305	68.0	5.948	1239	≥ 73 F	744.0
Wet Bulb	4724769	76375	61.6	3.686	1239	≥ 80 F	744.0
Dew Point	4134366	71418	57.6	3.762	1239	≥ 93 F	744.0

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL									
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point							
94/ 93															.1	.1	.2	3	3									
92/ 91															.1	.1	.3	5	5									
90/ 89												.1	.1	.1	.2	.1	.1	3	3									
88/ 87										.2	.1	.1	.1	.1	.2	.2	.1	8	8									
86/ 85								.1	.2	.3	.3	.3	.2	.2	.2	.2	.1	10	10									
84/ 83						.1	.1	.1	.3	.3	.3	.2	.2	.2	.1	.1	.1	15	15									
82/ 81						.2	.6	1.0	.3	.1	.2	.2	.1	.1				8	8									
80/ 79						.3	.9	.5	.2	.2	.3	.2	.1	.1				29	29									
78/ 77			.1			.5	1.7	.9	.2	.3	.3	.2	.3					32	32									
76/ 75			.1			1.0	2.5	1.3	.2	.3	.3	.1	.1					56	56									
74/ 73		.1	.1	.1	.3	1.2	2.8	1.2	.3	.3	.3	.1	.1					73	73	1	1							
72/ 71		.1	.1	.1	.1	1.2	2.8	1.2	.1									77	77	3	3							
70/ 69		.1	.6	1.6	3.3	3.3	1.9	.4	.1	.1	.1							97	97	8	8							
68/ 67		.3	3.0	3.8	4.3	4.3	.4	.3	.1	.1	.2							149	149	45	45							
66/ 65		1.8	6.3	4.8	2.9	.6	.1		.2	.1								202	202	104	13							
64/ 63		2.3	9.2	3.6	.4	.3												189	189	178	49							
62/ 61		4.0	6.8	2.9	.7				.1									173	173	269	114							
60/ 59	.1	2.5	1.3	.4	.1													52	52	307	179							
58/ 57		.2	.3	.3														10	10	195	295							
56/ 55		.1	.1	.1	.2													4	4	51	244							
54/ 53																		1	1	20	129							
52/ 51																				7	69							
50/ 49																				9	31							
48/ 47																				1	17							
46/ 45																					11							
44/ 43																					3							
42/ 41																					3							
40/ 39																					7							
38/ 37																					1							
36/ 35																					9							
34/ 33																					6							
32/ 31																					7							
30/ 29																					5							
28/ 27																					2							
Element (X)	$\sum X^2$																\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature				Total	
Rel. Hum.																							≥ 67 F		≥ 80 F		≥ 93 F	
Dry Bulb																												
Wet Bulb																												
Dew Point																												

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		Dew Point					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb								
94/ 93																	.1	1	1									
92/ 91																.2	.2	4	4									
90/ 89																.2	.2	7	7									
88/ 87																.3	.3	9	9									
86/ 85																.1	.1	8	8									
84/ 83									.1							.2	7	7										
82/ 81								.2	.2	.2	.1	.3	.2	.1	.2		16	16										
80/ 79							.1	.2	.2	.2	.1	.4	.1	.2			16	16										
78/ 77							.2	.3	.2	.2	.2	.2	.2				16	16										
76/ 75					.1	.2	.6	.4	.1	.2	.2	.2	.1	.1			23	23										
74/ 73					.3	1.2	1.0	.2	.3	.2	.2	.2	.2				44	44										
72/ 71					.2	.9	1.8	.8	.4	.2	.2	.3	.1	.1			61	61	1									
70/ 69					.7	1.5	1.8	.6	.2	.3	.1	.1					71	71										
68/ 67					.4	1.3	1.6	.4	.3	.5	.4	.3	.2				106	106	8									
66/ 65		.1	1.0	1.3	1.9	3.3	1.7	.2	.3	.3	.2	.2					136	136	33	2								
64/ 63		.4	2.3	2.9	5.2	2.7	.6	.4	.2	.2	.4						180	180	82	14								
62/ 61		.1	2.7	3.3	3.9	1.6	.1	.2	.2	.2	.2						153	153	151	48								
60/ 59		.1	2.3	3.6	3.4	.6	.4	.3	.2	.2	.2						141	141	193	88								
58/ 57		.2	2.3	2.1	1.4	.1	.1	.2	.2	.1							83	83	242	115								
56/ 55		1.8	3.1	.6	.2	.2	.3	.1	.1								78	78	173	174								
54/ 53		.9	1.3	.3	.2	.2	.1	.1									36	36	133	189								
52/ 51		.4	1.3	.2	.2	.2	.1										29	29	80	161								
50/ 49		.3	.3	.2	.1		.1										14	14	53	109								
48/ 47																			40	84								
46/ 45						.1											1	1	21	45								
44/ 43																			17	27								
42/ 41																			7	23								
40/ 39																			2	20								
38/ 37																			1	20								
36/ 35																			1	18								
34/ 33																				13								
32/ 31																				17								
30/ 29																				18								
28/ 27																				13								
Element (X)	ΣX																		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature			
Rel. Hum.																												
Dry Bulb																												
Wet Bulb																												
Dew Point																												

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL							
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point							
98/ 97																	.1	1	1									
94/ 93																	.3	3	3									
92/ 91																	.2	2	2									
90/ 89																.1	.1	2	2									
88/ 87																.2	.3	6	6									
86/ 85															.1	.2	5	5										
84/ 83															.5	.3	12	12										
82/ 81											.2	.1	.2	.2	.3	.1	11	11										
80/ 79										.2	.2	.3	.4	.5	.1		19	19										
78/ 77										.3	.2	.5	.3	.2			17	17										
76/ 75										.2	.5	.2	.5	.2			24	24										
74/ 73									.3	.3	.4	.3	.3				25	25										
72/ 71									.3	.1	.6	.4	.1				27	27										
70/ 69						.1	.3		.6	.2	.3	.3	.3				33	33										
68/ 67					.1	.7	.5		.5	.4	.4	.2					44	44										
66/ 65			.2	.5	.8	1.3	.8		.7	.6	.4	.3					61	61										
64/ 63			.3	1.0	1.7	1.7	1.4		.8	.8	.5	.2					86	86	2									
62/ 61		.3	.6	1.1	1.7	2.3	1.5		.7	.8	.3	.2					94	94	27									
60/ 59		.8	1.6	2.5	2.3	.5	.9		.2	.5	.4						117	117	50	3								
58/ 57		1.8	1.8	2.3	1.2	.8	1.1	.3	.5	.3							119	119	101	13								
56/ 55	.2	1.0	3.9	2.3	1.1	.9	.3	.3	.1								122	122	120	38								
54/ 53		1.8	2.8	1.8	1.0	.6	.3	.4	.1								104	104	168	68								
52/ 51		1.0	2.4	1.0	.8	.3	.3	.3	.1								72	72	174	70								
50/ 49		1.2	3.2	.8		.3	.3	.3									70	70	130	109								
48/ 47		1.2	2.2	.4	.5	.1	.4	.1									57	57	142	128								
46/ 45		.7	.9	.3	.3	.3	.1										28	28	106	138								
44/ 43		.8	.5	.1	.1	.1	.1										19	19	67	91								
42/ 41		.4	.3	.3	.3		.1										14	14	41	77								
40/ 39			.2			.2											4	4	37	63								
38/ 37					.1												1	1	15	64								
36/ 35																			11	58								
34/ 33																			2	48								
32/ 31																			3	45								
30/ 29																			3	34								
Element (X)	ΣX ²																		ΣX		No. Obs.		Mean No. of Hours with Temperature				Total	
Rel. Hum.																							≥ 80 F				≥ 93 F	
Dry Bulb																							≥ 73 F					
Wet Bulb																							≥ 67 F					
Dew Point																												

NAWWEASERVCOM

PSYCHROMETRIC SUMMARY

93107

MIRAMAR, CALIFORNIA

73-77

STATION

STATION NAME

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MORTH

PAGE 1

HOURS (L.S.T.)

05

PSYCHROMETRIC SUMMARY

JAN 68

0510

0510

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		Dew Point							
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb									
84/ 83														.1	.2			1	1										
80/ 79														.2	.3			4	4										
78/ 77														.2	.3			7	7										
76/ 75														.2	.3			14	14										
74/ 73														.2	.3			15	15										
72/ 71														.2	.3			23	23										
70/ 69														.2	.3			18	18										
68/ 67														.2	.3			48	48										
66/ 65														.2	.3			51	51	1									
64/ 63														.2	.3			60	60	2									
62/ 61														.2	.3			70	70	13									
60/ 59														.2	.3			96	96	25									
58/ 57														.2	.3			107	107	57									
56/ 55														.2	.3			90	90	74									
54/ 53														.2	.3			110	110	109									
52/ 51														.2	.3			118	118	135									
50/ 49														.2	.3			116	116	143									
48/ 47														.2	.3			94	94	154									
46/ 45														.2	.3			94	94	107									
44/ 43														.2	.3			44	44	95									
42/ 41														.2	.3			33	33	125									
40/ 39														.2	.3			17	17	68									
38/ 37														.2	.3			6	6	70									
36/ 35														.2	.3			1	1	36									
34/ 33														.2	.3			1	1	12									
32/ 31														.2	.3			8	8	60									
30/ 29														.2	.3			1	1	32									
28/ 27														.2	.3			2	2	46									
26/ 25														.2	.3					45									
24/ 23														.2	.3					34									
22/ 21														.2	.3					35									
20/ 19														.2	.3					26									
18/ 17														.2	.3					16									
16/ 15														.2	.3					12									
Element (X)	ΣX																	\bar{X}	σ_x		No. Obs.		Mean No. of Hours with Temperature						
Rel. Hum.																					≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																													
Wet Bulb																													
Dew Point																													

PSYCHROMETRIC SUMMARY

95 PSYCHROMETRIC SUMMARY JAN 68

93107

MIRAMAR, CALIFORNIA

73-77

ALL

STATION NAME

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PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
98/ 97																	.0	2	2			
96/ 95																	.0	2	2			
94/ 93																	.0	9	9			
92/ 91																	.1	21	21			
90/ 89											.0	.0	.0	.0	.0	.0	.0	25	25			
88/ 87									.0	.0	.0	.0	.0	.0	.0	.1	.0	36	36			
86/ 85								.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	46	46			
84/ 83							.0	.0	.1	.0	.1	.0	.0	.0	.1	.0	.0	70	70			
82/ 81						.0	.1	.2	.1	.0	.0	.1	.1	.1	.0	.0	.0	94	94			
80/ 79					.0	.1	.2	.2	.1	.1	.1	.1	.1	.1	.0	.0	.0	145	145			
78/ 77			.0	.0	.1	.2	.4	.2	.1	.0	.0	.1	.1	.1	.0	.0	.0	205	205			
76/ 75			.0	.0	.3	.5	.7	.3	.1	.1	.2	.1	.1	.1	.0	.0	.0	362	363	1		
74/ 73			.0	.2	.4	1.0	.7	.1	.1	.1	.1	.1	.2	.1	.0	.0	.0	447	447	4	1	
72/ 71			.0	.4	.6	1.1	.8	.1	.1	.1	.2	.2	.1	.0	.0	.0	.0	541	541	31		
70/ 69		.0	.3	.3	.3	.9	1.0	.4	.2	.1	.2	.1	.0	.0	.0	.0	.0	564	564	85	8	
68/ 67		.2	1.0	1.0	1.2	1.0	.4	.2	.3	.3	.2	.1	.0	.0	.0	.0	.0	851	851	243	18	
66/ 65	.0	.8	2.1	1.8	1.2	1.0	.3	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	1136	1136	447	95	
64/ 63	.0	.8	2.0	2.2	1.2	.9	.3	.3	.3	.3	.2	.1	.0	.0	.0	.0	.0	1229	1229	790	255	
62/ 61	.0	1.1	1.8	2.7	1.4	.6	.3	.3	.3	.3	.1	.0	.0	.0	.0	.0	.0	1257	1257	1133	514	
60/ 59	.0	.8	1.8	2.4	1.5	.6	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	1181	1181	1211	779	
58/ 57	.0	1.0	2.0	2.3	1.1	.6	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	1170	1170	1302	968	
56/ 55	.0	.9	2.9	2.3	.9	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	1208	1208	1240	1063	
54/ 53	.0	1.1	2.2	1.7	.7	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	965	965	1377	1149	
52/ 51	.0	1.0	2.2	1.3	.5	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	835	835	1510	1120	
50/ 49	.0	1.0	2.2	.8	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	699	699	1220	1179	
48/ 47	.0	.9	1.5	.6	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	549	549	1168	1229	
46/ 45		.7	.9	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	390	390	891	1114	
44/ 43		.5	.6	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	252	252	632	926	
42/ 41		.3	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	189	189	457	719	
40/ 39		.1	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	81	81	354	620	
38/ 37	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	30	30	260	531	
36/ 35		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7	154	368	
34/ 33					.0												.0	2	2	52	354	
32/ 31					.0												.0	1	1	27	276	
Element (X)	Σ X ²		Σ X		X		σ _x		No. Obs.		Mean No. of Hours with Temperature						Total					
Rel. Hum.											≤ 0 F		≥ 32 F		≥ 67 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																						
Wet Bulb																						
Dew Point																						

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93107 MIRAMAR, CALIFORNIA

73-77

STATION

STATION NAME

YEARS

HRS. (L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN 48.0 S. D. 5.673 TOTAL OBS 155	49.0 4.464 141	48.8 3.889 155	50.7 3.945 150	55.1 2.782 155	59.2 3.354 149	63.5 3.069 155	63.8 3.181 155	64.0 3.228 150	59.6 4.418 155	54.0 5.800 150	49.6 5.341 155	55.5 7.367 1825
04	MEAN 47.0 S. D. 5.757 TOTAL OBS 155	48.0 4.463 141	47.8 4.213 155	49.8 4.092 149	54.5 2.913 155	58.6 3.230 150	63.1 2.880 155	63.3 3.407 155	63.3 3.354 150	58.8 4.723 155	52.9 6.084 150	48.7 5.486 155	54.7 7.586 1825
07	MEAN 46.4 S. D. 5.909 TOTAL OBS 155	47.6 4.392 141	49.0 3.811 155	53.2 3.794 150	56.8 2.779 155	61.3 4.964 150	64.8 3.696 155	64.5 3.869 154	64.7 4.234 150	60.2 4.632 155	53.2 6.680 150	48.5 5.694 155	55.9 8.244 1825
10	MEAN 59.7 S. D. 7.300 TOTAL OBS 155	59.8 6.813 141	58.3 5.532 155	61.4 6.583 150	63.8 5.506 155	70.1 8.025 150	73.9 5.322 155	73.9 4.443 155	73.1 6.937 149	70.7 7.045 155	66.8 9.149 149	62.1 6.742 155	66.2 8.817 1824
13	MEAN 63.3 S. D. 8.159 TOTAL OBS 155	63.6 7.139 141	60.1 5.586 155	62.9 5.914 150	64.9 5.221 155	71.4 7.042 150	75.7 5.087 155	75.3 3.809 155	74.2 6.222 149	72.6 7.188 155	69.4 9.108 150	65.3 6.622 155	68.2 8.198 1825
16	MEAN 59.9 S. D. 6.815 TOTAL OBS 155	60.4 5.876 141	58.3 4.546 155	60.7 5.371 150	63.0 4.398 155	68.9 6.481 150	73.5 4.803 155	73.0 3.760 155	71.7 5.692 150	69.0 6.002 155	65.5 7.729 150	61.2 5.230 155	65.5 7.760 1826
19	MEAN 53.6 S. D. 5.607 TOTAL OBS 155	54.5 4.176 141	53.3 3.442 155	55.2 3.931 150	57.5 2.717 155	62.7 5.461 150	66.8 4.292 155	66.1 3.153 155	65.9 4.359 150	63.3 4.252 155	58.7 6.333 150	54.3 4.438 155	59.3 6.772 1826
22	MEAN 50.0 S. D. 5.300 TOTAL OBS 155	50.9 3.940 141	50.3 3.671 155	52.6 3.795 150	56.1 2.618 155	60.3 3.892 150	64.5 3.333 155	64.5 2.799 155	64.8 3.522 150	60.7 4.236 155	55.7 6.106 150	51.4 5.201 155	56.8 7.007 1826
ALL HOURS	MEAN 53.5 S. D. 8.895 TOTAL OBS 1260	54.2 7.928 1128	53.2 6.414 1240	55.8 6.774 1199	59.0 5.473 1240	64.1 7.387 1199	68.2 6.434 1240	68.0 5.949 1239	67.7 6.418 1198	64.4 7.511 1240	59.5 9.570 1199	55.1 8.467 1240	60.3 9.315 14602

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93107

MIRAMAR, CALIFORNIA

73-77

HRS. (L.S.T.)	STATION NAME												ANNUAL
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	
01	MEAN	42.2	44.4	45.0	46.7	51.0	59.4	59.9	59.2	54.5	47.7	44.2	50.8
	S. D.	5.116	5.092	4.140	3.803	2.933	3.441	3.119	2.970	5.290	5.177	6.123	7.644
	TOTAL OBS	155	141	155	150	155	149	155	120	155	150	155	1825
04	MEAN	41.2	43.3	44.1	45.9	50.6	59.2	59.5	58.7	53.6	46.4	43.3	50.1
	S. D.	5.352	5.140	4.429	3.860	3.131	3.361	3.216	3.307	5.536	5.210	6.393	7.956
	TOTAL OBS	155	141	155	149	155	150	155	150	155	150	155	1825
07	MEAN	40.6	42.9	45.0	48.3	52.1	60.2	60.2	59.6	54.4	46.4	42.7	50.7
	S. D.	5.412	5.026	4.205	3.100	2.640	3.286	3.398	2.983	4.709	5.406	6.400	8.223
	TOTAL OBS	155	141	155	150	155	155	155	150	155	150	155	1825
10	MEAN	48.5	50.1	49.7	52.0	55.3	64.3	64.3	63.0	59.2	53.4	50.5	55.9
	S. D.	4.068	3.444	3.775	3.894	3.694	3.381	3.206	3.226	3.517	3.946	4.570	6.869
	TOTAL OBS	155	141	155	150	155	155	155	149	155	149	155	1824
13	MEAN	50.4	51.9	50.6	52.8	55.8	64.7	64.7	63.3	60.3	55.0	52.3	56.9
	S. D.	4.065	3.787	3.952	3.628	3.663	3.471	2.930	2.775	3.620	4.159	4.393	6.484
	TOTAL OBS	155	141	155	150	155	154	155	149	155	150	155	1824
16	MEAN	49.5	51.0	49.8	51.8	54.8	63.7	63.7	62.3	59.2	54.1	51.6	55.9
	S. D.	3.811	3.312	3.638	3.367	3.103	3.312	2.769	2.764	3.484	4.040	4.384	6.318
	TOTAL OBS	155	141	155	150	155	155	155	150	155	150	155	1826
19	MEAN	46.4	48.6	47.8	49.4	52.2	60.6	60.7	60.1	57.0	51.5	48.1	51.3
	S. D.	4.007	3.799	3.153	3.019	2.585	3.445	2.989	2.589	3.759	4.518	5.234	6.350
	TOTAL OBS	155	141	155	150	155	155	155	150	155	150	155	1826
22	MEAN	43.8	45.8	46.0	47.9	51.7	59.9	60.1	59.7	55.3	49.0	45.8	51.7
	S. D.	4.790	4.673	3.894	3.385	2.720	3.486	2.850	2.883	4.821	5.260	5.831	7.187
	TOTAL OBS	155	141	155	150	155	155	155	150	155	150	155	1826
ALL HOURS	MEAN	45.3	47.2	47.3	49.3	52.9	61.5	61.6	60.7	56.7	50.4	47.3	53.2
	S. D.	5.870	5.468	4.579	4.270	3.631	4.030	3.687	3.394	5.021	5.773	6.542	7.601
	TOTAL OBS	1240	1128	1240	1199	1240	1239	1239	1198	1240	1199	1240	14601

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

MIRAMAR, CALIFORNIA

STATION

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN 34.3 S. D. 9.960 TOTAL OBS 155	38.5 10.271 155	40.7 7.007 155	42.6 5.445 150	47.5 3.737 155	51.6 4.584 149	56.6 4.336 155	57.2 3.780 155	55.8 5.332 150	49.8 9.702 155	40.4 10.578 150	37.5 11.143 155	46.1 10.900 1825
04	MEAN 33.1 S. D. 10.139 TOTAL OBS 155	37.1 10.527 141	39.8 7.430 155	41.9 5.380 149	47.1 4.103 155	51.3 4.758 150	56.6 4.291 155	56.9 3.893 155	55.4 6.067 150	48.7 10.436 155	38.6 10.521 150	35.9 11.493 155	45.3 11.409 1825
07	MEAN 32.3 S. D. 10.117 TOTAL OBS 155	36.7 10.425 141	40.2 8.037 155	43.5 5.249 150	48.1 3.796 155	52.2 3.962 150	57.1 4.163 155	57.4 3.841 154	55.9 5.970 150	48.9 10.040 155	38.2 10.635 150	34.8 11.803 155	45.5 11.720 1825
10	MEAN 36.1 S. D. 9.501 TOTAL OBS 155	39.6 9.980 141	40.9 8.373 155	43.4 6.565 150	48.7 4.399 155	52.9 4.937 150	58.5 4.389 155	58.6 3.910 155	56.5 6.100 149	50.1 9.117 155	40.6 9.894 149	37.9 11.709 155	47.0 11.125 1824
13	MEAN 36.6 S. D. 9.487 TOTAL OBS 155	39.9 10.256 141	41.0 8.667 155	43.8 5.492 150	48.7 4.569 155	53.0 4.309 150	58.2 4.796 154	58.4 3.846 155	56.5 5.206 149	51.0 8.614 155	41.9 9.813 150	38.9 11.515 155	47.4 10.805 1824
16	MEAN 38.5 S. D. 8.700 TOTAL OBS 155	41.4 8.863 141	41.5 7.503 155	43.7 5.500 150	48.3 4.114 155	53.0 4.360 150	57.8 4.723 155	58.1 3.414 155	56.1 5.250 150	51.8 7.355 155	43.7 9.187 150	41.8 10.363 155	48.0 9.724 1826
19	MEAN 38.2 S. D. 9.430 TOTAL OBS 155	42.2 8.621 141	42.3 5.458 155	43.9 5.003 150	47.8 3.484 155	51.6 4.147 150	56.6 4.510 155	57.2 3.741 155	56.2 5.060 150	51.9 7.669 155	44.4 9.084 150	41.2 10.348 155	47.8 9.337 1826
22	MEAN 36.2 S. D. 9.761 TOTAL OBS 155	39.6 10.168 141	41.3 6.468 155	43.1 5.221 150	47.8 3.549 155	52.0 4.169 150	56.9 4.303 155	57.4 3.534 155	56.2 5.488 150	50.4 8.996 155	41.6 10.747 150	39.0 10.877 155	46.8 10.432 1826
ALL HOURS	MEAN 35.6 S. D. 9.845 TOTAL OBS 1240	39.4 10.043 1128	41.0 7.447 1240	43.2 5.521 1199	48.0 4.012 1240	52.2 4.447 1199	57.3 4.487 1239	57.6 3.783 1239	56.1 5.568 1198	50.3 9.094 1240	41.2 10.253 1199	38.4 11.361 1240	46.7 10.749 14601

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

FEB

73-77

93107 MIRAMAR, CALIFORNIA

MONTH

PERIOD

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	01	100.0	97.9	92.9	88.7	81.6	71.6	65.2	39.0	12.1	70.9	141
	04	100.0	97.2	94.3	86.5	78.0	68.8	63.1	42.6	13.5	70.1	141
	07	100.0	96.5	93.6	85.1	77.3	68.1	63.1	41.1	16.3	70.0	141
	10	100.0	87.2	75.2	69.3	58.9	40.4	28.4	12.8	5.0	53.4	141
	13	100.0	83.7	73.0	61.7	49.6	30.5	12.8	5.0	2.1	47.3	141
	16	100.0	94.3	80.9	73.0	62.4	44.0	19.1	6.4	3.5	54.2	141
	19	100.0	95.7	93.6	88.7	79.4	71.6	56.0	19.1	3.5	66.9	141
	22	100.0	97.2	92.9	85.1	80.9	73.0	64.5	37.6	5.0	69.4	141
TOTALS		100.0	93.7	87.1	79.8	71.0	58.5	46.5	25.5	7.6	62.8	1128

RELATIVE HUMIDITY

93107

MIRAMAR, CALIFORNIA

73-77

MAR

STATION

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	01	100.0	99.4	98.1	96.8	94.2	88.4	76.8	34.2	1.9	73.1	155
	04	100.0	99.4	98.7	96.8	94.2	89.0	79.4	34.8	3.9	75.6	155
	07	100.0	98.7	96.1	94.2	91.0	85.2	72.9	36.1	11.0	74.1	155
	10	100.0	94.8	89.0	81.9	67.7	44.5	18.7	4.5	1.3	56.0	155
	13	100.0	94.8	87.1	79.4	63.9	35.5	9.7	1.9		52.8	155
	16	100.0	97.4	91.6	83.2	69.7	47.1	12.3	1.9	.6	55.9	155
	19	100.0	100.0	98.7	96.1	87.7	78.1	53.5	10.3	.6	67.9	155
	22	100.0	100.0	98.1	96.1	94.2	87.1	70.3	22.6	2.6	72.6	155
TOTALS		100.0	98.1	94.7	90.6	82.8	69.4	49.2	18.3	2.7	66.3	1240

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD MAP COMPANY, U. S. A.

93107 MIRAMAR, CALIFORNIA 73-77 APR MONTH

PERIOD

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	99.3	99.3	98.7	98.0	92.7	74.7	24.0	2.7	74.8	150
	04	100.0	100.0	99.3	98.0	95.3	94.0	76.5	24.2	1.3	75.1	149
	07	100.0	100.0	98.0	95.3	93.3	83.3	56.7	24.7	6.7	71.4	150
	10	100.0	94.7	90.0	85.3	71.3	35.3	11.3	3.3		54.7	150
	13	100.0	98.0	92.0	83.3	62.7	18.7	2.7			51.6	150
	16	100.0	98.0	94.0	88.7	80.0	30.0	5.3	.7		55.4	150
	19	100.0	99.3	98.7	93.3	90.7	82.7	39.3	6.7		67.2	150
	22	100.0	99.3	98.7	98.0	96.0	90.7	60.7	14.7	.7	71.4	150
TOTALS		100.0	98.6	96.3	92.6	85.9	65.9	40.9	12.3	1.4	65.2	1199

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REDUCING COMPANY, U. S. A.

93107 STATION NAME **HIRAMAR, CALIFORNIA** 73-77 PERIOD MONTH **MAY**

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01	100.0	100.0	100.0	100.0	100.0	98.7	80.6	22.6	.6	75.6	155
	04	100.0	100.0	100.0	100.0	100.0	96.8	78.7	25.8	1.9	76.5	155
	07	100.0	100.0	100.0	100.0	100.0	91.0	58.1	18.7	1.9	73.2	155
	10	100.0	100.0	99.4	97.4	83.2	42.6	11.6	2.6		59.2	155
	13	100.0	100.0	100.0	92.9	79.4	29.0	7.1	.6		56.7	155
	16	100.0	100.0	99.4	96.1	89.7	44.5	9.0			59.4	155
	19	100.0	100.0	100.0	100.0	99.4	89.7	52.9	3.2		70.5	155
	22	100.0	100.0	100.0	100.0	100.0	96.1	74.8	16.1		74.1	155
TOTALS		100.0	100.0	99.9	98.3	94.0	73.6	46.6	11.2	.6	68.2	1240

NUM

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	01	100.0	100.0	99.3	99.3	98.0	96.7	80.0	33.3	4.0	76.8	150
	04	100.0	100.0	99.3	98.0	97.3	96.0	84.0	37.3	6.7	77.7	150
	07	100.0	100.0	98.7	98.0	95.3	89.3	66.7	22.7	4.0	73.5	150
	10	99.3	98.0	94.7	90.7	80.0	35.3	8.7	2.0		56.6	150
	13	100.0	99.3	94.7	92.0	72.0	22.0	1.3			53.8	150
	16	100.0	99.3	98.7	92.7	86.0	45.3	4.0	1.3		58.0	150
	19	100.0	99.3	98.7	96.7	92.7	87.3	44.7	4.0		68.4	150
	22	100.0	100.0	99.3	98.0	96.7	95.3	76.0	26.0	2.7	75.1	150
TOTALS		99.9	99.5	97.9	95.7	89.8	70.9	45.9	15.8	2.2	67.5	1200

NAVWEASERVCOM

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AUG

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
AUG	01	100.0	100.0	100.0	100.0	100.0	99.4	85.8	50.3	6.5	79.6	155
	04	100.0	100.0	100.0	100.0	100.0	99.4	88.4	49.7	8.4	80.2	155
	07	100.0	100.0	100.0	100.0	100.0	99.4	77.3	44.2	2.6	78.0	154
	10	100.0	100.0	100.0	99.4	86.5	44.5	11.0			59.5	155
	13	100.0	100.0	100.0	97.4	80.6	27.7	3.2			56.4	155
	16	100.0	100.0	100.0	99.4	91.0	46.5	9.7	.6		60.1	155
	19	100.0	100.0	100.0	100.0	99.4	96.8	61.3	19.4		73.4	155
	22	100.0	100.0	100.0	100.0	100.0	100.0	83.2	46.5	.6	78.1	155
TOTALS		100.0	100.0	100.0	99.5	94.7	76.7	52.5	26.3	2.3	70.7	1239

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5706 RELATIVE HUMIDITY JAN 68

ADDN

73-77

MIRAMAR, CALIFORNIA

93107

MONTH

PERIOD

STATION NAME

STATION

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	01	100.0	98.7	86.7	80.0	72.7	65.3	58.0	28.0	4.7	65.1	150
	04	100.0	96.7	85.3	77.3	69.3	63.3	52.7	26.7	4.7	63.3	150
	07	100.0	96.0	82.0	75.3	67.3	60.0	48.7	26.7	6.0	62.1	150
	10	100.0	79.9	65.1	59.7	47.0	29.5	8.7	4.0		44.6	149
	13	99.3	80.0	68.0	59.3	40.7	16.0	4.0	2.0	.7	42.4	150
	16	100.0	88.7	80.0	68.0	58.7	40.0	8.7	2.0	.7	50.1	150
	19	100.0	95.3	90.0	82.7	74.0	66.7	52.0	18.7	1.3	63.6	150
	22	100.0	97.3	85.3	78.7	72.7	70.0	55.3	26.0	2.7	64.4	150
TOTALS		99.9	91.6	80.3	72.6	62.8	51.4	36.0	16.8	2.6	57.0	1199

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REGISTRATION COMPANY, U. S. A.

93107

MIRAMAR, CALIFORNIA

73077

DEC

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	98.7	94.2	83.9	72.9	63.2	52.9	32.3	14.2	66.9	155
	04	100.0	97.4	94.2	82.6	69.7	60.6	47.1	32.9	11.0	65.2	155
	07	100.0	98.7	91.6	77.4	69.7	55.5	45.2	29.0	9.0	63.5	155
	10	100.0	83.9	68.4	52.9	43.2	34.8	21.9	10.3	2.6	47.1	155
	13	100.0	81.9	63.9	51.6	40.0	25.2	11.0	2.6	.6	43.2	155
	16	100.0	94.8	84.5	69.0	58.1	41.9	22.6	7.7	2.6	53.5	155
	19	100.0	97.4	93.5	81.9	72.3	64.5	49.0	26.5	9.7	65.0	155
	22	100.0	96.1	94.8	84.5	75.5	62.6	56.1	29.0	8.4	66.6	155
TOTALS		100.0	93.6	85.6	73.0	62.7	51.0	38.2	21.3	7.3	58.9	1240

NAVWEASERVCOM

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

ALL

MONTH

73-77

PERIOD

MIRAMAR, CALIFORNIA

STATION NAME

93107

STATION

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	99.9	92.6	82.8	71.8	61.3	47.9	32.1	13.3	3.1	56.1	1240
FEB		100.0	93.7	87.1	79.8	71.0	58.5	46.5	25.5	7.6	62.8	1128
MAR		100.0	98.1	94.7	90.6	82.8	69.4	49.2	18.3	2.7	66.3	1240
APR		100.0	98.6	96.3	92.6	85.9	65.9	40.9	12.3	1.4	65.2	1199
MAY		100.0	100.0	99.9	98.3	94.0	73.6	46.6	11.2	.6	68.2	1240
JUN		99.9	99.5	97.9	95.7	89.8	70.9	45.9	15.8	2.2	67.5	1200
JUL		100.0	99.8	99.2	98.0	92.0	74.9	52.0	24.4	2.8	69.7	1239
AUG		100.0	100.0	100.0	99.5	94.7	76.7	52.5	26.3	2.3	70.7	1239
SEP		100.0	98.2	95.8	93.8	88.5	74.5	52.7	31.4	3.3	69.3	1199
OCT		100.0	95.1	90.3	85.6	80.1	67.7	45.9	23.3	5.2	65.0	1240
NOV		99.9	91.6	80.3	72.6	62.8	51.4	36.0	16.8	2.6	57.0	1199
DEC		100.0	93.6	85.6	73.0	62.7	51.0	38.2	21.3	7.3	58.9	1240
TOTALS		100.0	96.7	92.5	87.6	80.5	65.2	44.9	20.0	3.4	64.7	14603

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23195 YUMA, ARIZONA

73-77

JAN

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

93107

MINAMAR, CALIFORNIA

JAN 1973 - DEC 1977

JANUARY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	5.6	27.8	2.7	2.7	2.7	5.6	16.7	28.9	5.6	93	1.2
72 TO 76	21.6	2.7	10.8	2.7	7.7	10.8	5.6	2.7	13.3	19	1.5
67 TO 71	11.3	9.6	9.6	7.7	7.7	11.3	11.3	2.7	15.4	37	3.0
62 TO 66	10.8	3.2	12.9	6.5	4.3	7.3	17.2	20.1	7.3	93	4.2
57 TO 61	15.3	6.0	8.2	6.0	8.2	6.2	10.4	2.7	13.7	163	14.8
52 TO 56	9.3	6.0	17.4	7.6	12.3	5.7	9.8	1.2	17.4	316	25.5
47 TO 51	7.6	7.6	32.7	13.5	14.9	2.2	3.6	4.4	13.3	273	22.2
42 TO 46	5.2	7.6	51.2	22.1	6.4	1.2	1.2	1.6	4.7	172	13.9
37 TO 41	1.2	4.8	72.3	15.7	1.2				4.7	83	6.7
32 TO 36		42.9	42.9	14.3					4.7	7	0.6
27 TO 31			100.0							1	0.1
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.2	6.3	27.3	10.6	9.4	4.6	7.4	12.9	12.1	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

MIRAMAR, CALIFORNIA

93107

JAN 1973 - DEC 1977

FEBRUARY

ALL

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86		33.3	10.0	10.0	10.0	10.0	33.3	33.3	30.0	10	1.1
77 TO 81											
72 TO 76	9.1										
67 TO 71	17.0										
62 TO 66	15.0	9.0	1.9	3.8	4.5	4.5	36.4	30.0	9.1	22	2.0
57 TO 61	15.1	1.7	9.3	6.4	5.7	3.8	13.2	13.2	13.2	53	4.7
52 TO 56	14.9	6.5	13.6	8.7	8.0	6.0	16.0	24.0	11.0	100	8.9
47 TO 51	9.2	2.9	36.6	14.3	14.2	7.0	16.9	5.1	10.3	172	15.2
42 TO 46	3.9	4.2	32.4	24.5	9.5	7.7	13.3	4.1	11.8	323	28.6
37 TO 41	3.6	3.6	64.3	21.4	5.6	1.4	6.2	3.5	13.2	273	24.2
32 TO 36									7.1	143	12.7
27 TO 31										26	2.3
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVP											
TOTALS	11.6	3.8	22.9	10.8	9.4	5.3	10.7	14.5	11.0	1126	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

MIRAMAR, CALIFORNIA

93107

JAN 1973 - DEC 1977

MARCH

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76	14.3	5.9	2.9			14.3	14.3	28.6	28.6	100.0	0.1
67 TO 71	17.5	2.3				5.9	29.4	38.2		7	0.6
62 TO 66	17.4	2.3				11.6	17.4	40.7	4.7	34	2.7
57 TO 61	8.4	1.9				4.7	17.4	22.6	7.4	86	6.9
52 TO 56	15.2	3.1	5.5	9		14.0	28.4	22.6	7.4	212	17.3
47 TO 51	4.7	3.3	22.3	5.0	12.6	9.2	16.8	21.7	9.9	382	30.8
42 TO 46	3.8	3.2	48.4	13.3	15.1	7.1	8.6	10.9	12.4	335	27.3
37 TO 41			60.0	23.6	6.4	0.6	1.3	3.1	7.6	157	12.7
32 TO 36				30.0				10.0		20	1.6
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.0	3.3	13.3	3.8	9.8	8.3	14.7	20.2	9.2	1240	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

93107

MIRAMAR, CALIFORNIA

WIND DIRECTION

JAN 1973 - DEC 1977

APRIL

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVP											
TOTALS	11.3	2.2	10.5	8.9	9.0	6.8	16.8	21.9	13.1	119.7	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

93107

MIRAMAR, CALIFORNIA

JAN 1973 - DEC 1977

MAY ALL

STATION

STATION NAME

WIND DIRECTION

YEARS

MONTH

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	44.4					11.1	11.1	33.3		2	2
72 TO 76	8.0					16.0	24.0	44.0	8.0	1	1
67 TO 71	6.3	1.3			3.8	8.9	39.2	33.4	5.1	9	9
62 TO 66	7.0	.5		.9	5.2	16.0	35.2	21.3	3.8	25	25
57 TO 61	13.3	1.1	1.7	2.6	8.7	14.2	21.6	16.1	18.0	79	79
52 TO 56	10.3	2.3	5.1	5.1	19.6	10.3	15.0	14.7	19.1	213	213
47 TO 51			30.0	25.0	10.0	5.0	7.5	7.5	15.0	458	458
42 TO 46			60.0	40.0						40	40
37 TO 41										3	3
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.3	1.4	3.3	3.8	11.1	12.3	22.4	20.0	14.8	1240	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

93107

MIRAMAR, CALIFORNIA

STATION

WIND DIRECTION

JAN 1973 - DEC 1977

YEARS

STATION NAME

WIND DIRECTION

MONTH

JUNE

ALL

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101						100.0				1	1.1
92 TO 96						25.0		30.0	25.0	4	4.3
87 TO 91	13.3					6.7	20.0	00.0		13	13.3
82 TO 86	31.8					4.5	13.6	49.9	4.5	22	22.2
77 TO 81	22.9					3.2	22.6	41.9	9.7	31	31.1
72 TO 76	10.1					12.8	24.8	36.9	11.0	109	109.0
67 TO 71	17.9	9.9			1.8	6.9	27.4	39.6	7.3	179	179.0
62 TO 66	18.1	1.4	1.7	1.7	7.8	8.2	20.1	31.2	20.1	293	293.0
57 TO 61	24.1	2.8	1.6	3.2	9.0	7.4	12.4	16.8	22.8	495	495.0
52 TO 56	19.6	2.8	6.4	7.3	9.2	10.1	14.7	12.8	21.1	109	109.0
47 TO 51		30.0	30.0							2	2.0
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	19.3	1.7	1.8	2.4	6.4	8.3	18.2	43.9	17.6	1200	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

93107

STATION NAME
MIRAMAR, CALIFORNIA

WIND DIRECTION

JAN 1973 - DEC 1977

JULY ALL

HOURS (L.S.T.)

MONTH

YEARS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	17.7	2.2	1.0	1.3	5.2	10.3	17.3	6.0	19.0	124.0	100.0

NAVWEASERVCOM

5709 REQ. AIR TEMP. VS. WIND DIR. JAN. 68

23465

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

93107
STATION

MIRAMAR, CALIFORNIA

JAN 1973 - DEC 1977
YEARS

AUGUST
MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NINW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	50.0	4.8		4.8	25.0	23.8	23.8	100.0		1	1.1
82 TO 86	14.7	2.7				29.3	29.3	23.0		4	4.3
77 TO 81	14.7	2.7				10.7	17.1	22.4		21	19.7
72 TO 76	20.9	4.8	4.8	3.8	6.6	17.1	17.1	20.9	6.7	73	69.1
67 TO 71	24.0	4.7	4.7	3.8	6.0	12.8	12.8	15.6	8.4	263	242.2
62 TO 66	34.1	4.1	1.4	1.8	5.0	5.6	5.6	15.6	15.6	280	259.2
57 TO 61	38.3	7.3	3.0	3.8	5.3	5.3	5.3	24.2	20.9	443	402.8
52 TO 56	72.7		9.1	9.1		9.1	9.1	10.9	9.1	193	177.4
47 TO 51										11	9.9
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	28.2	2.8	1.0	1.3	6.3	5.8	11.3	6.1	16.7	1837	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

STATION NAME **MIRAMAR, CALIFORNIA** STATION **93107** WIND DIRECTION **JAN 1973 - DEC 1977** MONTH **SEPTEMBER** ALL HOURS (L.S.T.)

YEARS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96			14.3	14.3				37.1	14.3	7	0.6
87 TO 91	21.4					14.3	26.6	33.7		14	1.2
82 TO 86	19.4		3.2			9.7	23.8	30.7	3.2	31	2.6
77 TO 81	19.9	7.9	4.8	1.6	3.2	6.3	23.8	33.3	3.2	63	5.3
72 TO 76	21.8	1.8	1.8	1.8	3.6	7.9	18.2	25.2	7.9	103	13.8
67 TO 71	25.3	2.4	1.0	3.1	4.2	8.3	19.1	27.4	9.0	288	24.0
62 TO 66	29.3	6.4	3.3	3.3	6.8	3.3	11.1	18.0	13.8	488	40.7
57 TO 61	27.3	4.3	7.2	3.8	10.9	3.1	10.9	11.6	16.7	139	11.3
52 TO 56			40.0	20.0					40.0	3	0.4
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	23.9	4.3	3.3	3.3	5.7	6.7	19.1	22.6	12.1	1194	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

HIRAKAH, CALIFORNIA

93107

STATION

JAN 1973 - DEC 1977

YEARS

OCTOBER

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	20.0	5.0				10.0	15.0	45.0	100.0	1	0.1
82 TO 86	21.7	4.3	4.3		4.3	4.3	13.0	54.1	8.7	20	1.6
77 TO 81	32.5	7.5				2.5	10.0	45.0	2.5	23	1.9
72 TO 76	24.2	1.0	2.0	1.0	2.0	3.0	12.1	42.4	12.1	94	8.0
67 TO 71	21.8	7.8	5.8	1.9	1.9	4.9	12.6	34.0	9.2	206	16.6
62 TO 66	22.8	7.0	7.3	3.5	6.5	5.8	10.8	15.8	20.8	400	32.3
57 TO 61	19.8	6.8	15.7	9.6	5.1	4.4	7.8	9.2	21.5	293	23.6
52 TO 56	6.1	5.3	42.0	13.7	10.7	8	8	5.1	17.6	131	10.6
47 TO 51	3.8	5.9	76.9	7.7		7.7				20	2.1
42 TO 46		100.0								1	0.1
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	20.1	6.3	13.4	5.4	5.0	4.5	9.3	14.5	16.5	1240	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

MIRAMAR, CALIFORNIA

JAN 1973 - DEC 1977

NOVEMBER

ALL

93107

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101			66.7	10.0			33.3		100.0	1	1.1
92 TO 96							20.0	20.0	40.0	10	1.3
87 TO 91			9.5		14.3		9.5	23.8	9.5	21	1.8
82 TO 86	33.3	4.7				11.6	11.6	22.8	14.0	43	3.6
77 TO 81	23.3	6.8	1.7		10.2	6.8	13.3	22.0	13.6	39	3.9
72 TO 76	23.7	4.3	12.8	2.1	3.2	7.4	12.8	21.9	9.6	94	7.8
67 TO 71	16.0	3.7	14.2	4.7	5.8	5.3	17.9	21.6	9.3	190	15.8
62 TO 66	17.4	8.0	17.1	10.3	12.2	6.3	8.7	10.1	12.3	287	23.9
57 TO 61	14.6	7.2	24.3	15.3	9.1	4.3	7.2	3.7	17.4	263	22.1
52 TO 56	9.1	10.6	38.8	16.9	11.3	0.0	4.4	4.4	10.0	160	13.3
47 TO 51	3.1	5.7	58.3	15.1	5.7			3.8	7.3	93	4.4
42 TO 46	3.8		76.9	13.4					7.7	13	1.1
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVP											
TOTALS	12.7	6.6	21.8	10.1	8.6	4.8	9.7	13.3	12.6	1197	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

93107
STATION

MIRAMAR, CALIFORNIA

JAN 1973 - DEC 1977

DECEMBER

ALL

STATION NAME

WIND DIRECTION

WIND DIRECTION

YEARS

MONTH

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WINW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	100.0	9.1					30.4	20.4	9.1	1.1	1.1
77 TO 81	19.4	2.8	2.8	2.8	11.1	11.1	11.1	23.0	23.0	1.1	1.1
72 TO 76	9.8	2.4	6.1	7.3	7.3	19.5	19.5	31.7	12.2	3.0	2.9
67 TO 71	13.8	3.9	7.9	3.7	12.5	9.2	10.5	23.0	13.2	6.2	6.0
62 TO 66	11.6	4.7	14.2	8.2	11.6	6.3	8.2	10.8	13.2	13.2	12.3
57 TO 61	9.9	9.2	24.4	12.6	12.2	4.6	4.2	9.2	13.7	23.2	10.7
52 TO 56	7.1	6.0	47.0	15.4	6.8	2.6	1.3	2.6	10.9	26.2	21.1
47 TO 51	2.5	5.1	57.6	19.0	5.7	.6		1.6	7.9	26.0	21.3
42 TO 46	10.5	50.0	60.3	15.8				3.3	6.9	13.0	12.7
37 TO 41			50.0	50.0						3.0	3.1
32 TO 36										2	2
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.4	9.6	28.6	11.2	9.0	4.8	6.0	14.1	13.2	124.0	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION NAME
MIRAMAR, CALIFORNIA

STATION
93107

YEAR
JAN 1973 - DEC 1977

MONTH
ALL

HOURS (L.S.T.)
ALL

WIND DIRECTION

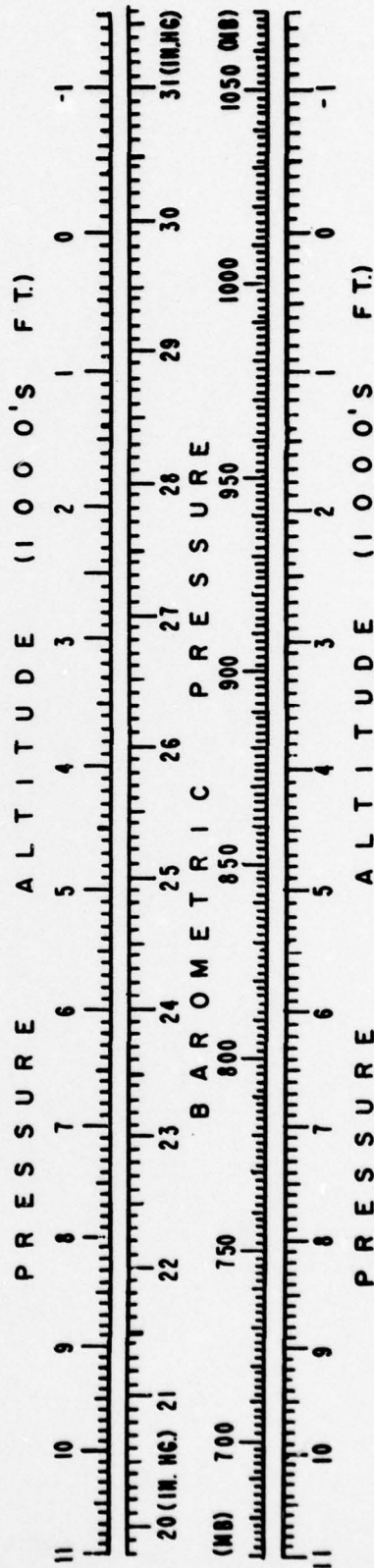
TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	15.5	3.9	12.5	6.4	7.9	6.9	13.2	17.5	14.0	140.9	100.0

PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

73-77

MIRAMAR, CALIFORNIA

93107

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN S. D. TOTAL OBS	1018.2 3.456 155	1018.6 3.395 141	1016.1 3.626 155	1015.8 2.818 150	1014.2 2.344 155	1013.4 2.138 155	1013.6 1.897 155	1013.2 2.191 150	1015.2 2.355 155	1016.7 3.282 150	1018.2 3.075 155	1015.5 3.453 1826
04	MEAN S. D. TOTAL OBS	1017.8 3.470 155	1017.9 3.439 141	1015.3 3.663 155	1015.2 2.832 149	1013.7 2.308 155	1012.4 2.356 150	1013.3 1.934 155	1012.8 2.262 150	1014.8 2.339 155	1016.4 3.278 150	1017.9 3.094 155	1015.0 3.434 1825
07	MEAN S. D. TOTAL OBS	1018.6 3.503 155	1018.7 3.482 141	1016.3 3.640 155	1016.2 2.836 150	1013.3 2.330 150	1014.1 2.042 155	1014.3 2.017 155	1013.7 2.321 150	1015.7 2.436 155	1017.3 3.268 150	1018.6 3.095 155	1015.9 3.397 1826
10	MEAN S. D. TOTAL OBS	1019.8 3.455 155	1019.6 3.415 141	1017.0 3.578 155	1016.7 2.809 150	1013.5 2.389 150	1014.3 2.037 155	1014.5 1.995 155	1014.0 2.363 150	1016.1 2.471 155	1018.0 3.306 150	1019.7 3.034 155	1016.5 3.585 1826
13	MEAN S. D. TOTAL OBS	1017.5 3.320 155	1017.9 3.233 141	1015.9 3.430 155	1015.8 2.701 150	1013.1 2.403 150	1013.7 2.003 155	1013.7 2.006 155	1013.0 2.298 150	1014.3 2.447 155	1016.1 3.311 150	1017.4 3.102 155	1015.2 3.220 1826
16	MEAN S. D. TOTAL OBS	1017.1 3.447 155	1017.3 3.161 141	1015.1 3.402 155	1015.0 2.631 150	1012.3 2.342 150	1012.8 2.061 155	1012.8 2.056 155	1012.1 2.264 150	1014.1 2.389 155	1015.7 3.313 150	1017.1 2.991 155	1014.6 3.282 1826
19	MEAN S. D. TOTAL OBS	1018.0 3.537 155	1018.1 3.190 141	1015.6 3.437 155	1015.3 2.662 150	1012.5 2.347 150	1012.9 2.014 155	1012.9 1.998 155	1012.7 2.212 150	1014.8 2.383 155	1016.6 3.450 150	1017.9 3.073 155	1015.1 3.456 1826
22	MEAN S. D. TOTAL OBS	1018.7 3.480 155	1018.8 3.372 141	1016.4 3.567 155	1016.2 2.697 150	1013.3 2.329 150	1013.8 1.998 155	1013.7 1.942 155	1013.4 2.209 150	1015.3 2.348 155	1017.2 3.408 150	1018.5 3.060 155	1015.9 3.420 1826
ALL HOURS	MEAN S. D. TOTAL OBS	1018.2 3.533 1240	1018.4 3.396 1128	1016.0 3.585 1240	1015.8 2.795 1199	1012.9 2.355 1240	1013.5 2.109 1240	1013.5 2.057 1240	1013.1 2.330 1200	1015.1 2.472 1240	1016.8 3.389 1200	1018.2 3.146 1240	1015.5 3.455 14607

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